



Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China

Appendix RF Test Data for BLE

Company : Shenzhen FPD Intelligent Display Co. , Ltd.

EUT : Tablet

Model Number : CP12-J1

Report No. : CTA26063002801

Reviewed By : Eric Wang



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Appendix A: Frequency Error

Test Result

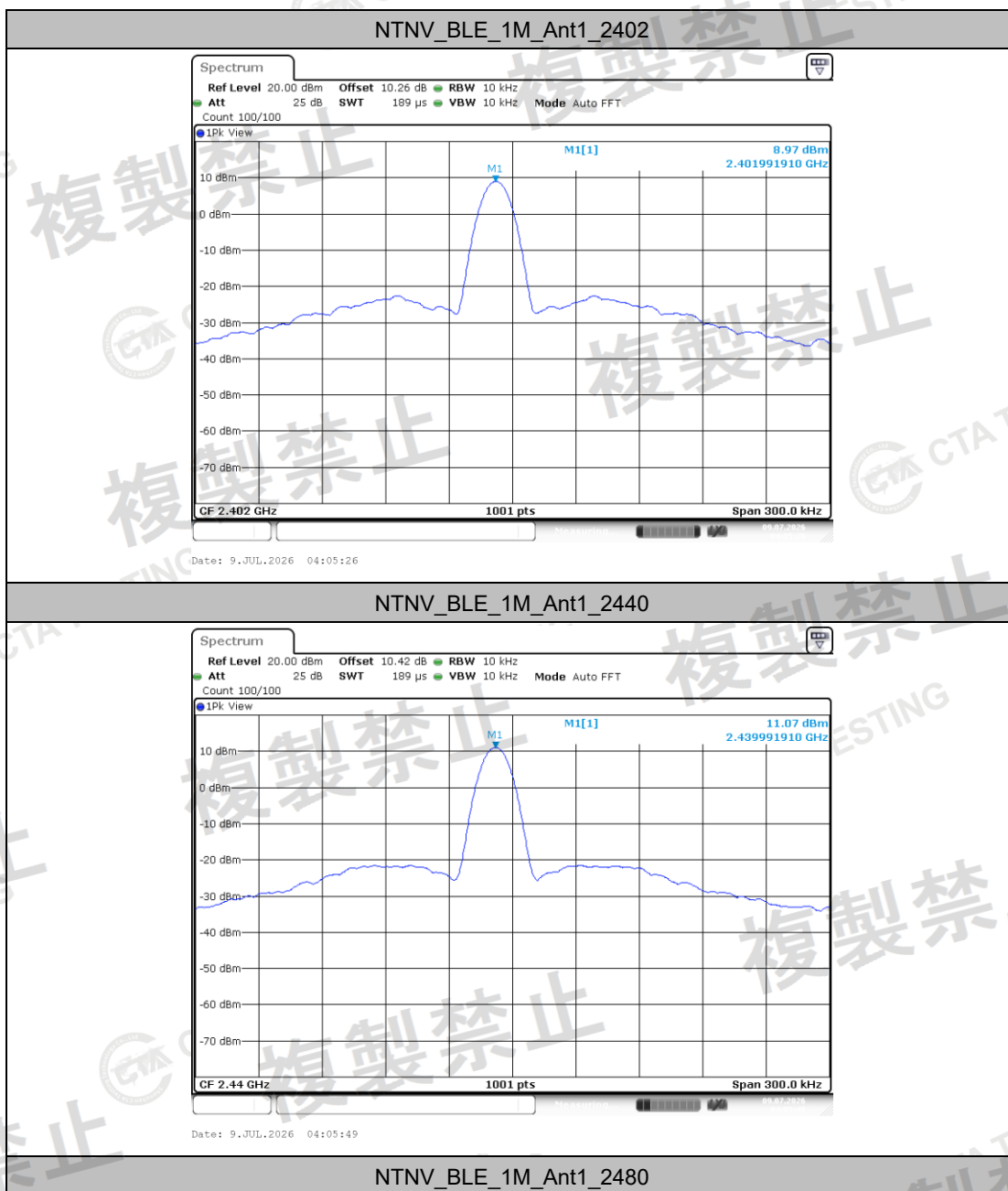
TestCondition	TestMode	Antenna	Freq(MHz)	Result[ppm]	Limit[ppm]	Verdict
NTNV	BLE_1M	Ant1	2402	-3.36803	±50	PASS
			2440	-3.31557	±50	PASS
			2480	-3.38307	±50	PASS
	BLE_2M	Ant1	2402	-3.36803	±50	PASS
			2440	-3.43853	±50	PASS
			2480	-3.38307	±50	PASS



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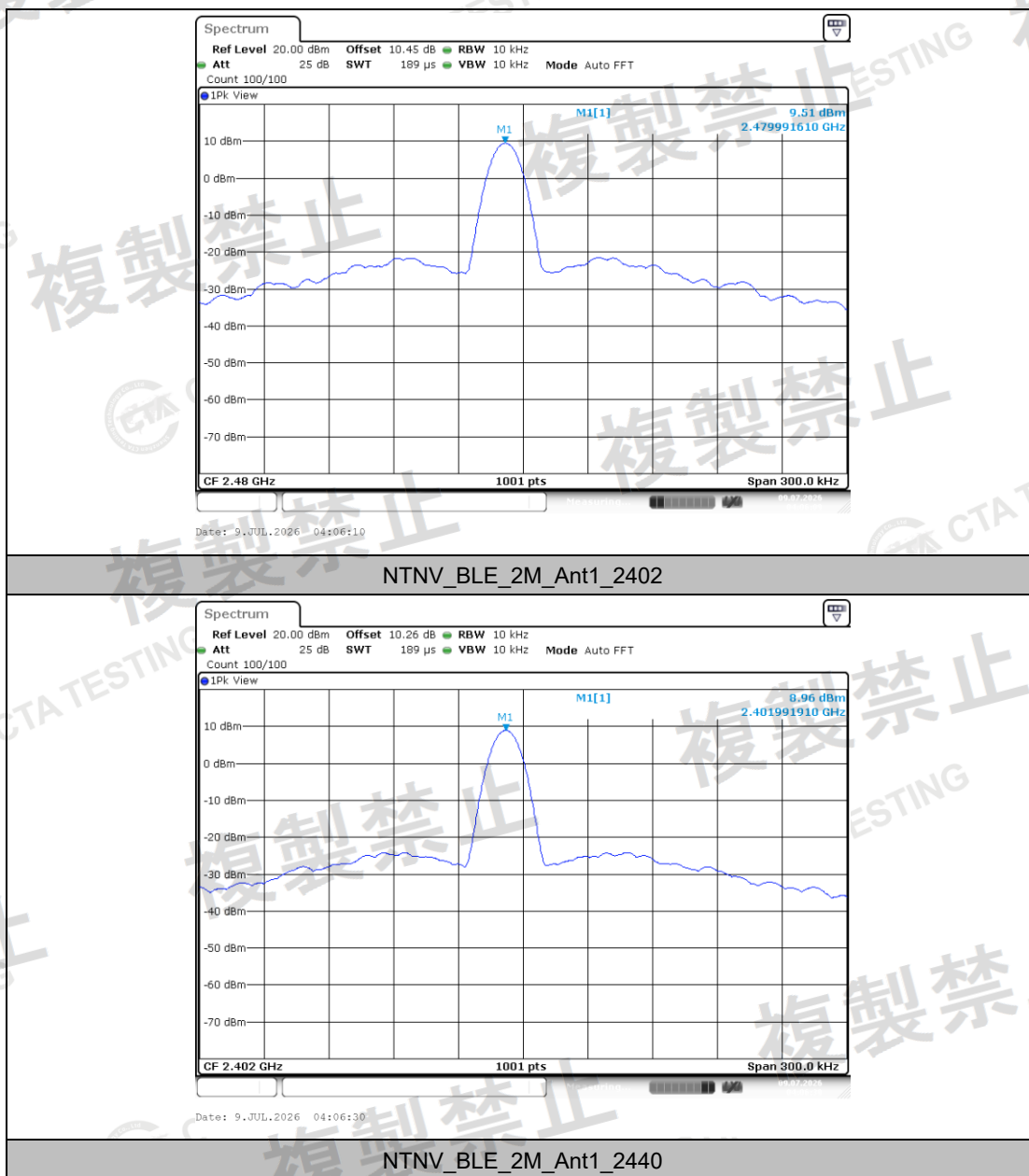
Test Graphs





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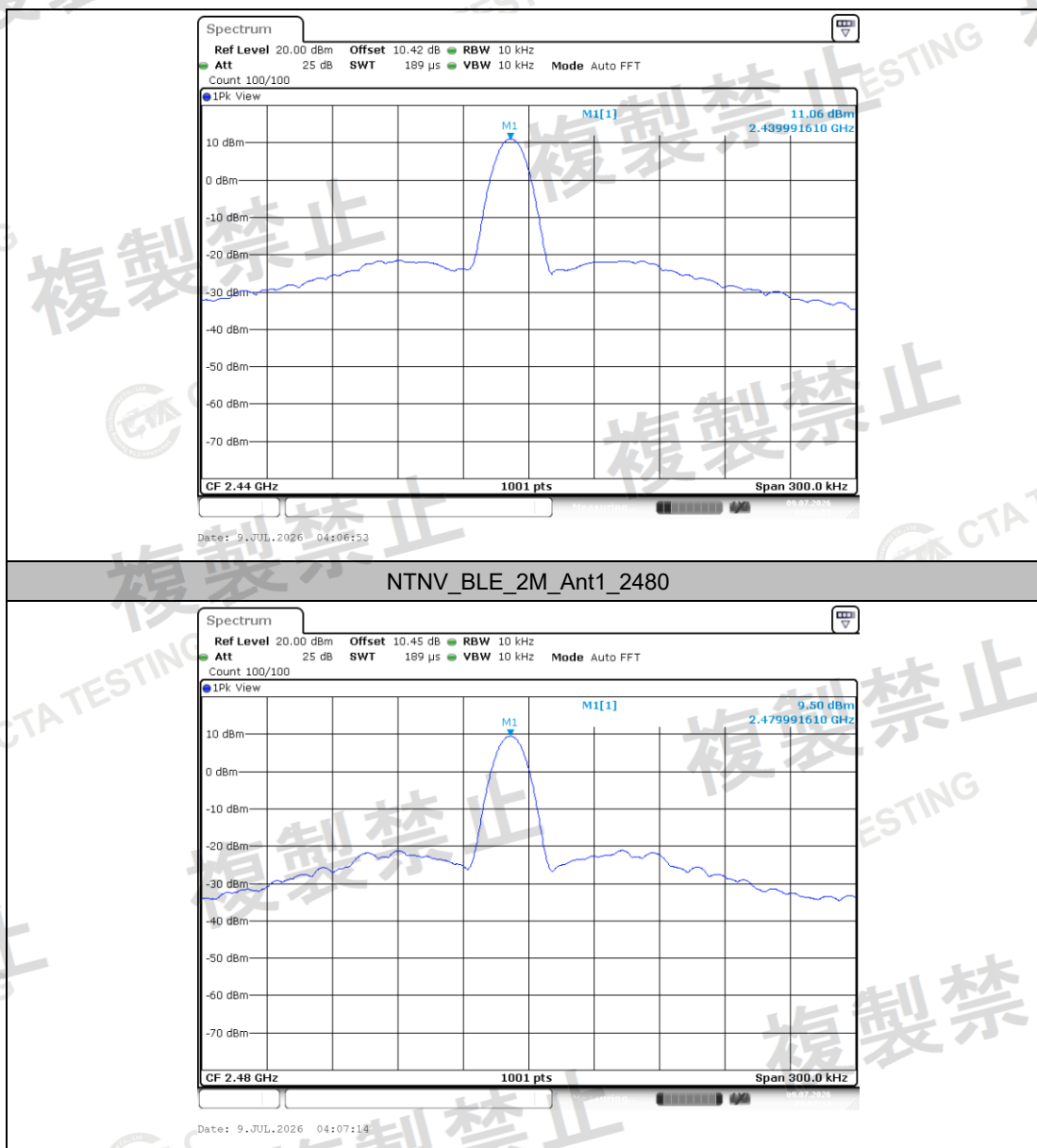
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Appendix B: Occupied Bandwidth

Test Result

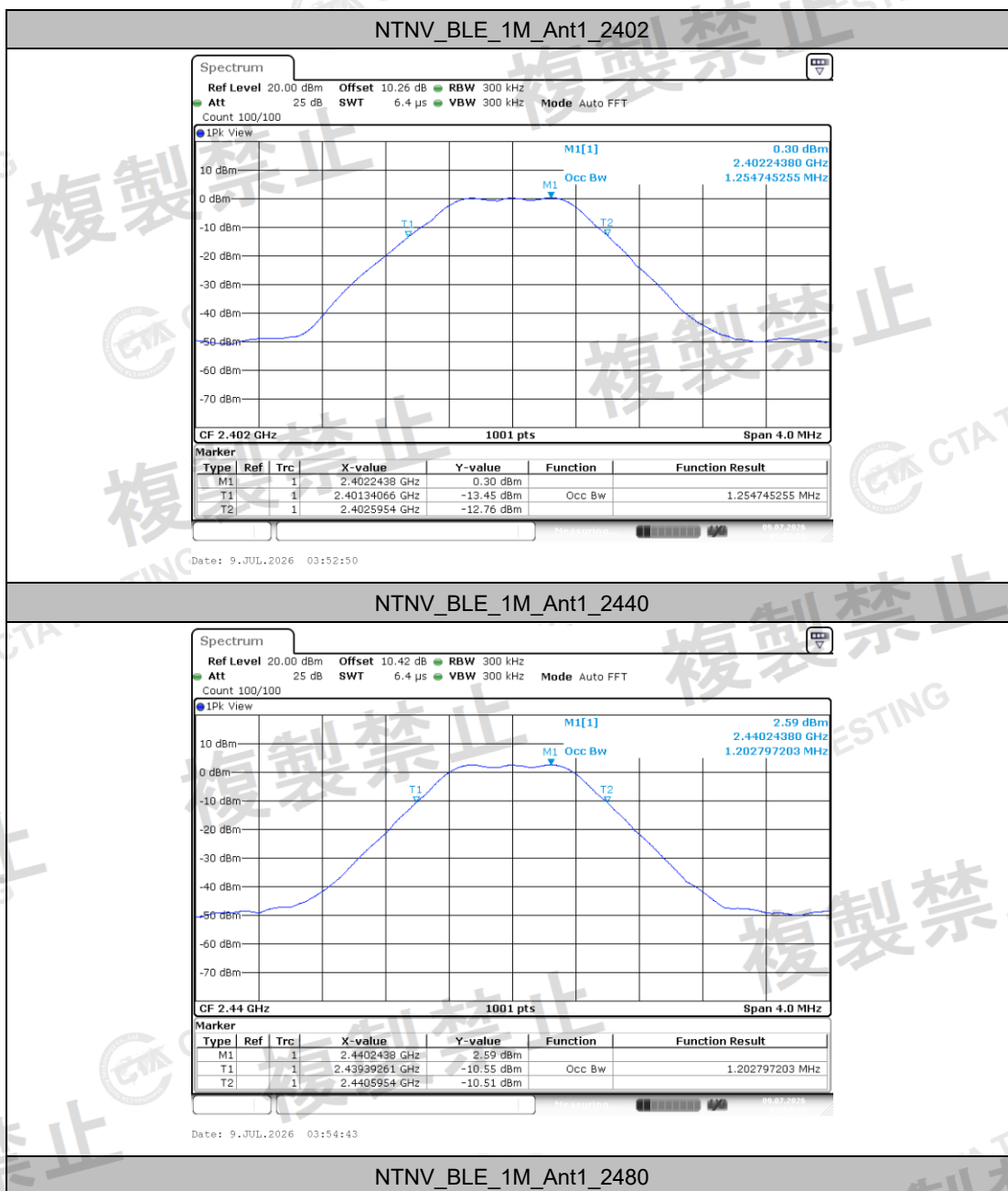
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	1.255	≤26	PASS
			2440	1.203	≤26	PASS
			2480	1.263	≤26	PASS
	BLE_2M	Ant1	2402	2.130	≤26	PASS
			2440	2.118	≤26	PASS
			2480	2.134	≤26	PASS



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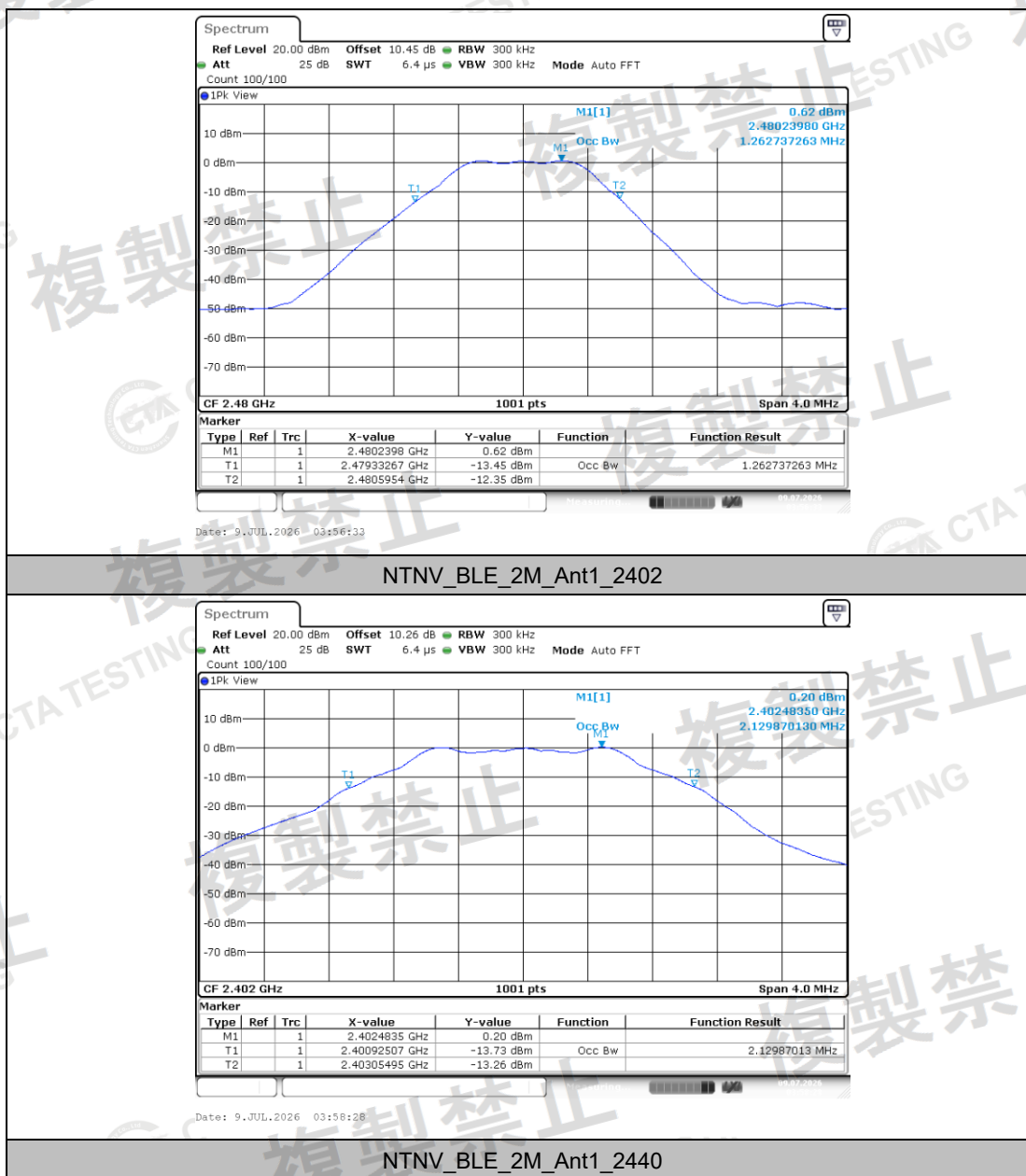
Test Graphs





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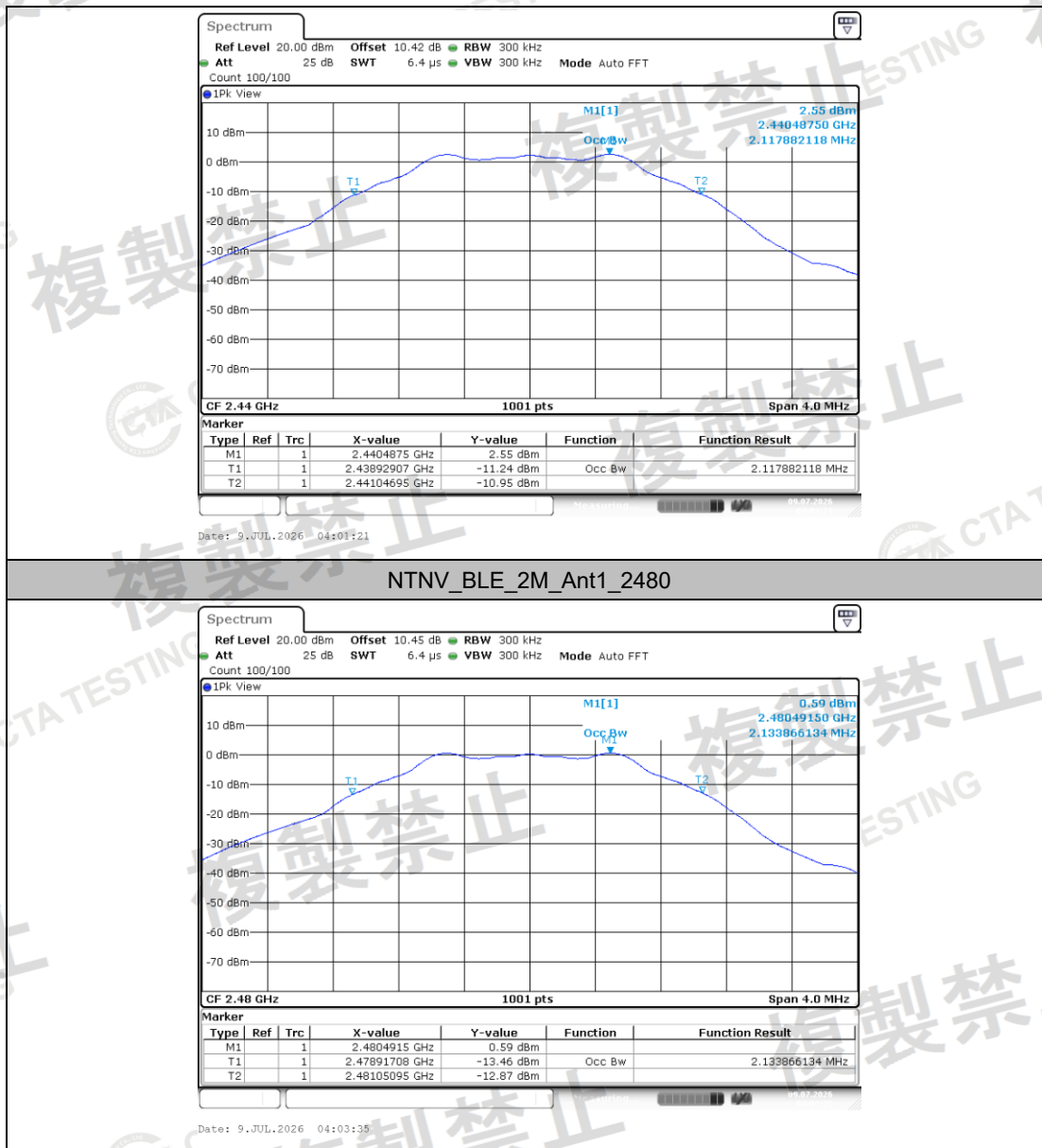
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Appendix C: Spread Bandwidth

Test Result

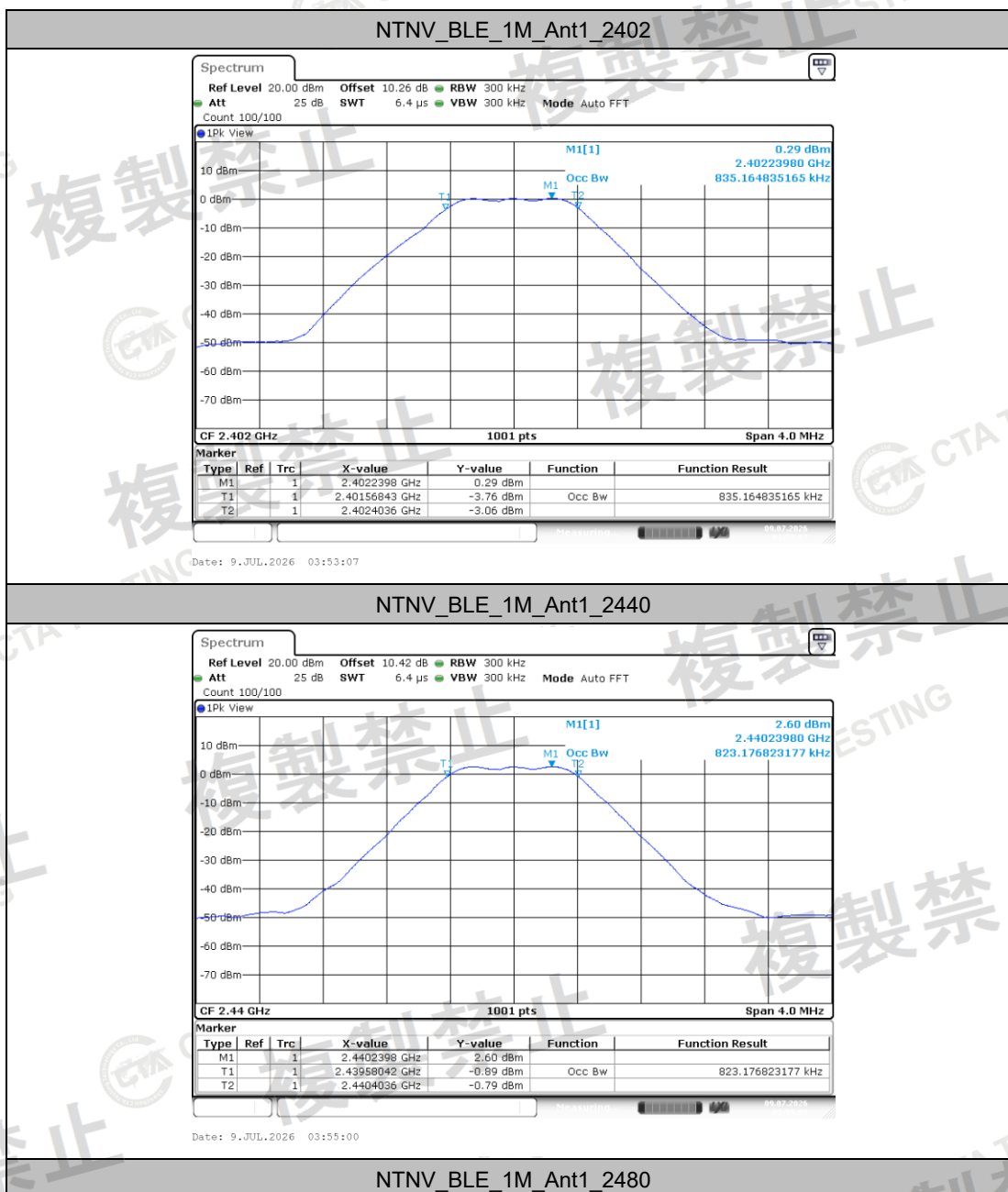
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	0.835	≥ 0.5	PASS
			2440	0.823	≥ 0.5	PASS
			2480	0.823	≥ 0.5	PASS
	BLE_2M	Ant1	2402	1.367	≥ 0.5	PASS
			2440	1.367	≥ 0.5	PASS
			2480	1.363	≥ 0.5	PASS



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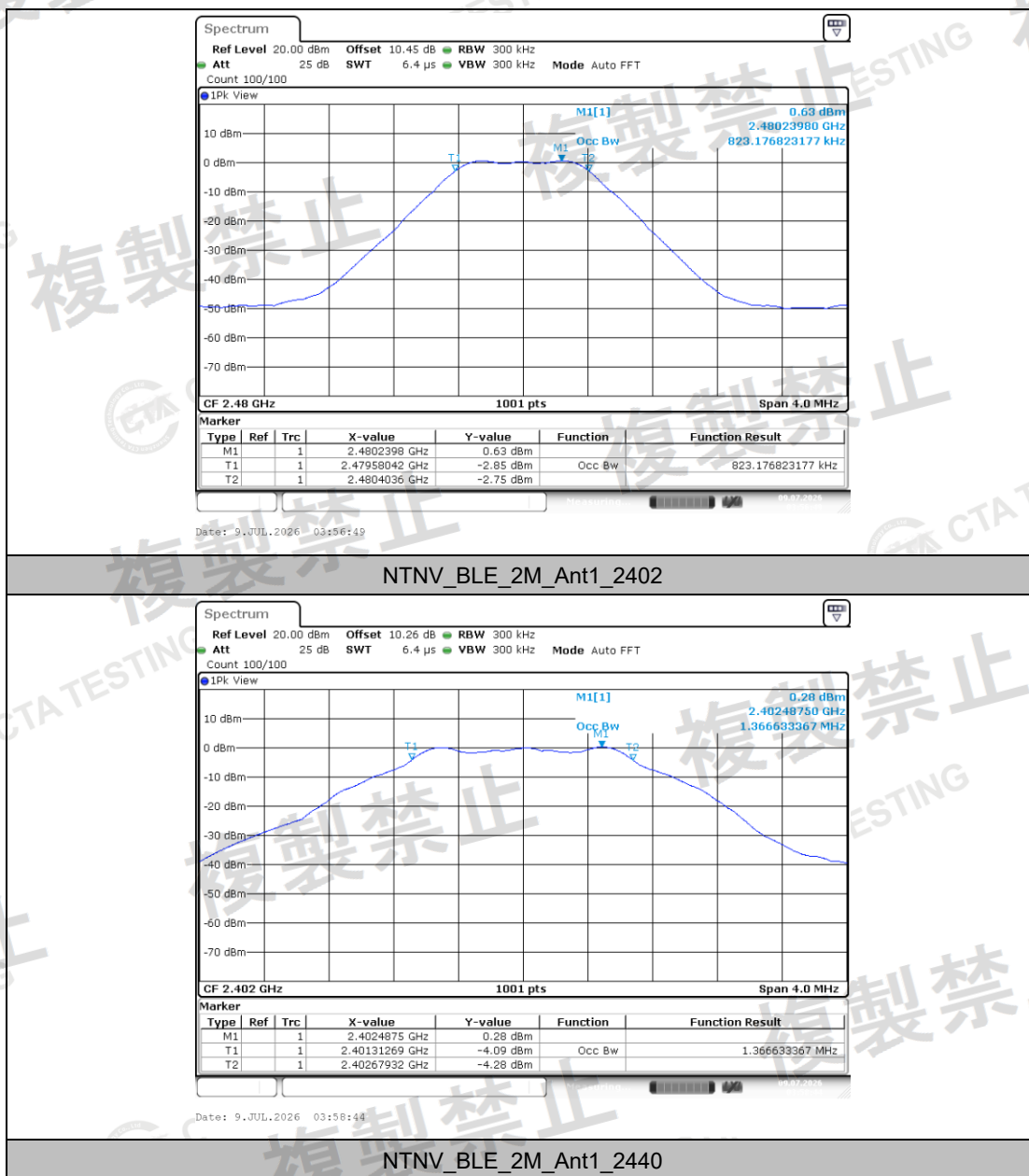
Test Graphs





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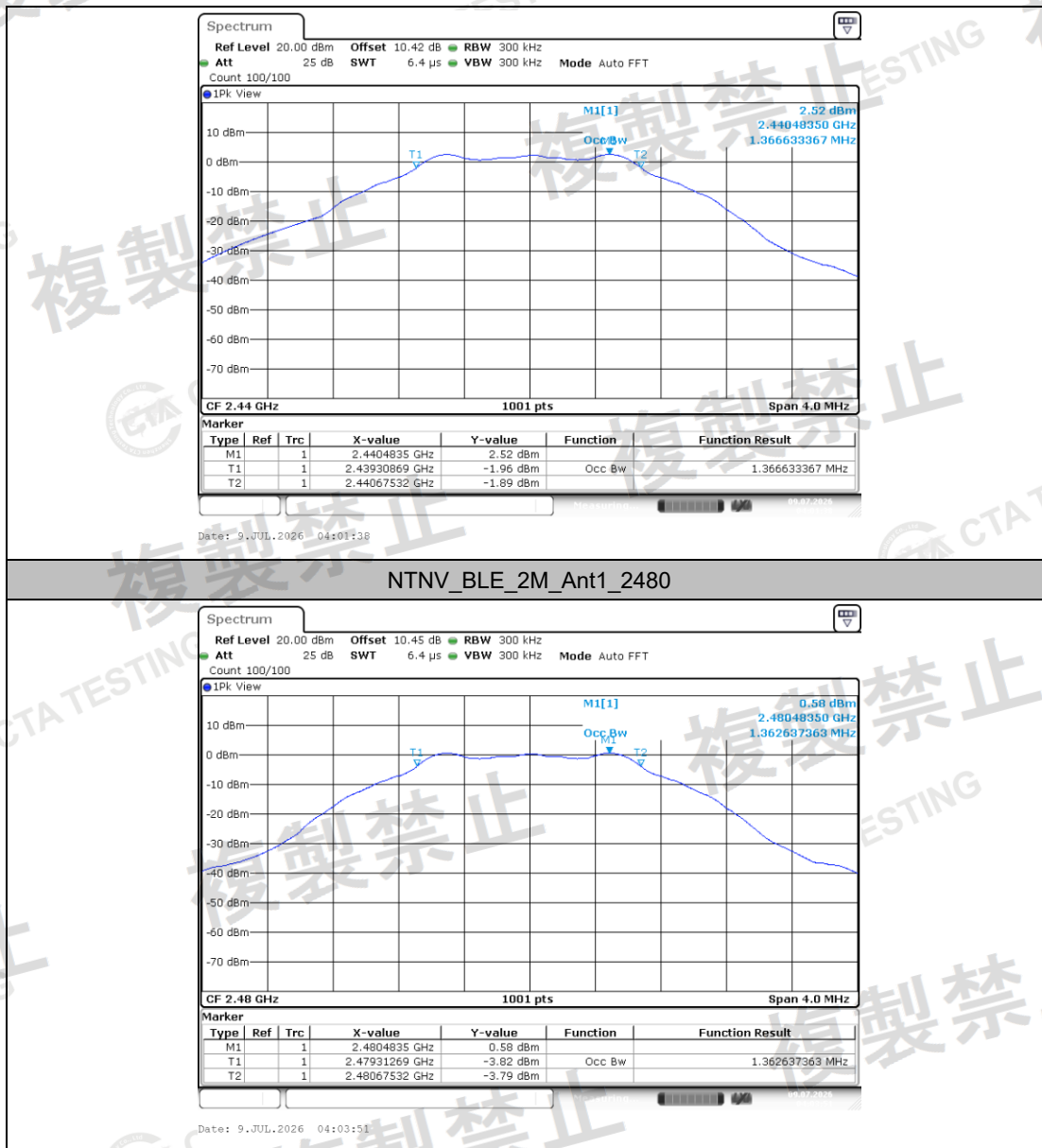
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Appendix D: Spurious Emission of TX

Test Result

TestCondition	TestMode	Antenna	Freq(M Hz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	238.55	-54.51	≤-26	0.00354	≤2.5	PASS
				1000~2387	2182.42	-53.89	≤-26	0.00408	≤2.5	PASS
				2387~2400	2399.98	-31.26	≤-16	0.74817	≤25	PASS
				2483.5~2496.5	2490.93	-42.69	≤-16	0.05383	≤25	PASS
				2496.5~13000	6817.11	-43.88	≤-26	0.04093	≤2.5	PASS
			2440	30~1000	687.66	-54.82	≤-26	0.00330	≤2.5	PASS
				1000~2387	1887.68	-53.81	≤-26	0.00416	≤2.5	PASS
				2387~2400	2390.47	-44.14	≤-16	0.03855	≤25	PASS
				2483.5~2496.5	2495.18	-43.83	≤-16	0.04140	≤25	PASS
				2496.5~13000	6820.27	-43.46	≤-26	0.04508	≤2.5	PASS
		2480		30~1000	886.27	-54.75	≤-26	0.00335	≤2.5	PASS
				1000~2387	2132.83	-53.73	≤-26	0.00424	≤2.5	PASS
				2387~2400	2398.28	-43.73	≤-16	0.04236	≤25	PASS
				2483.5~2496.5	2484.14	-43.60	≤-16	0.04365	≤25	PASS
				2496.5~13000	11225.96	-43.79	≤-26	0.04178	≤2.5	PASS
	BLE_2M	Ant1	2402	30~1000	244.86	-54.43	≤-26	0.00361	≤2.5	PASS
				1000~2387	2084.29	-53.52	≤-26	0.00445	≤2.5	PASS
				2387~2400	2400	-17.25	≤-16	18.8364 9	≤25	See table below
				2483.5~2496.5	2493.39	-43.95	≤-16	0.04027	≤25	PASS
				2496.5~13000	6998.83	-44.38	≤-26	0.03648	≤2.5	PASS
			2440	30~1000	915.37	-54.97	≤-26	0.00318	≤2.5	PASS
				1000~2387	2181.03	-53.65	≤-26	0.00432	≤2.5	PASS
				2387~2400	2399.52	-43.84	≤-16	0.04130	≤25	PASS
				2483.5~2496.5	2492.49	-43.17	≤-16	0.04819	≤25	PASS
				2496.5~13000	5921.69	-44.32	≤-26	0.03698	≤2.5	PASS
			2480	30~1000	945.68	-54.89	≤-26	0.00324	≤2.5	PASS
				1000~2387	1848.50	-53.86	≤-26	0.00411	≤2.5	PASS
				2387~2400	2399.62	-43.98	≤-16	0.03999	≤25	PASS
				2483.5~2496.5	2486.26	-43.33	≤-16	0.04645	≤25	PASS
				2496.5~13000	6938.96	-44.10	≤-26	0.03890	≤2.5	PASS



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Test Result_Step2

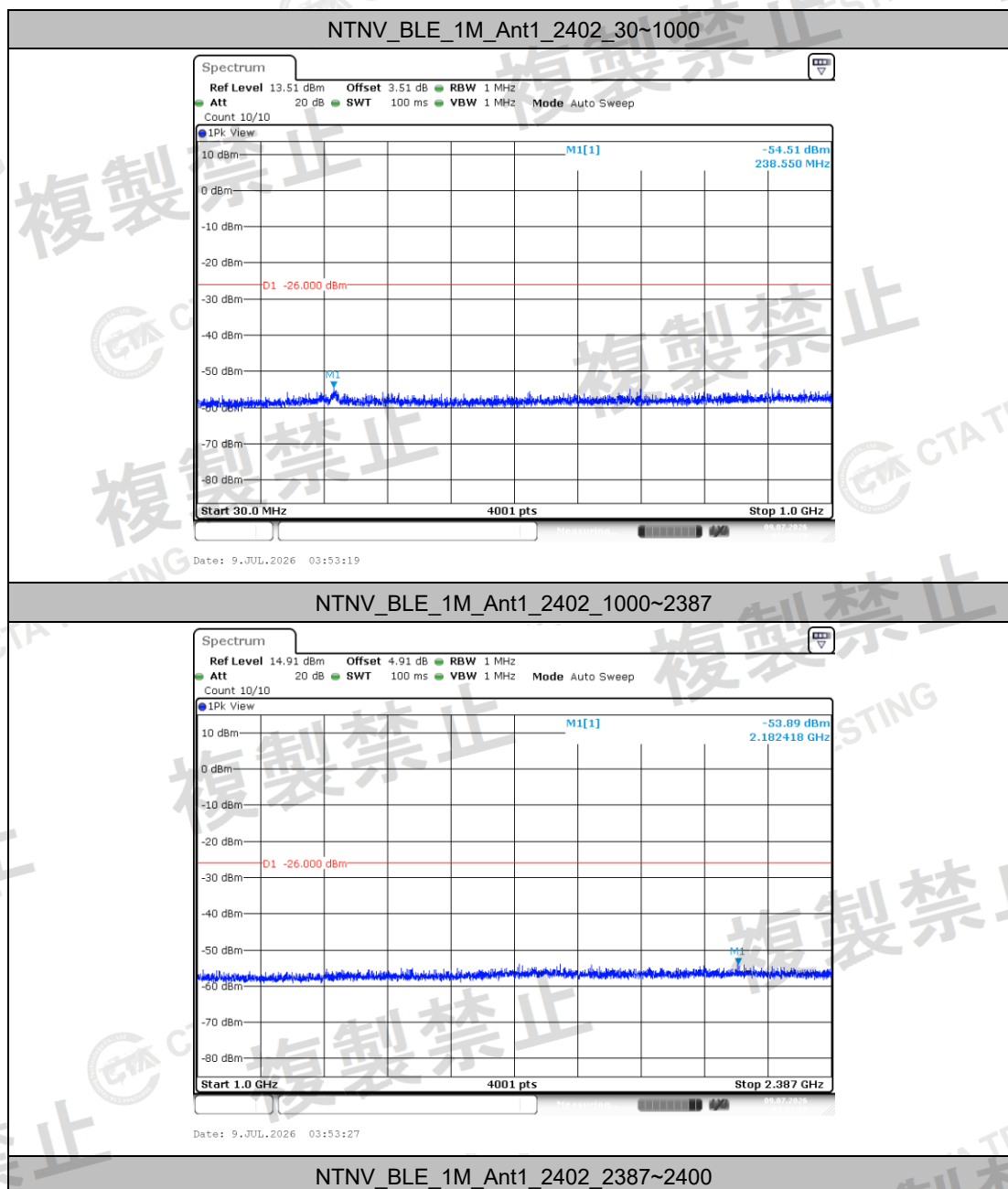
TestCondition	TestMode	Antenna	Freq(M Hz)	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	BLE_2M	Ant1	2402	2400.00	-32.04	≤-16	0.62517	≤25	PASS



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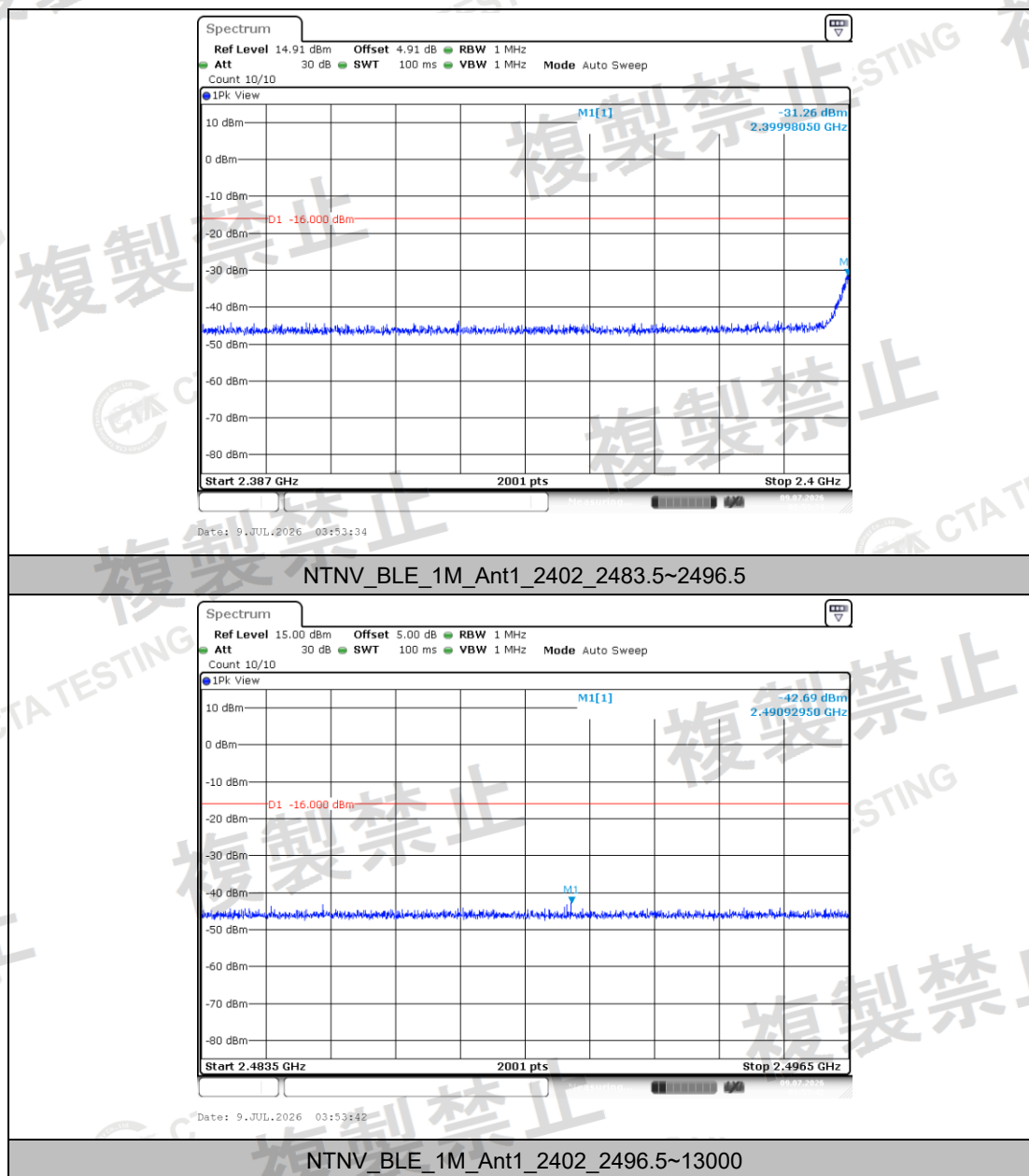
Test Graphs





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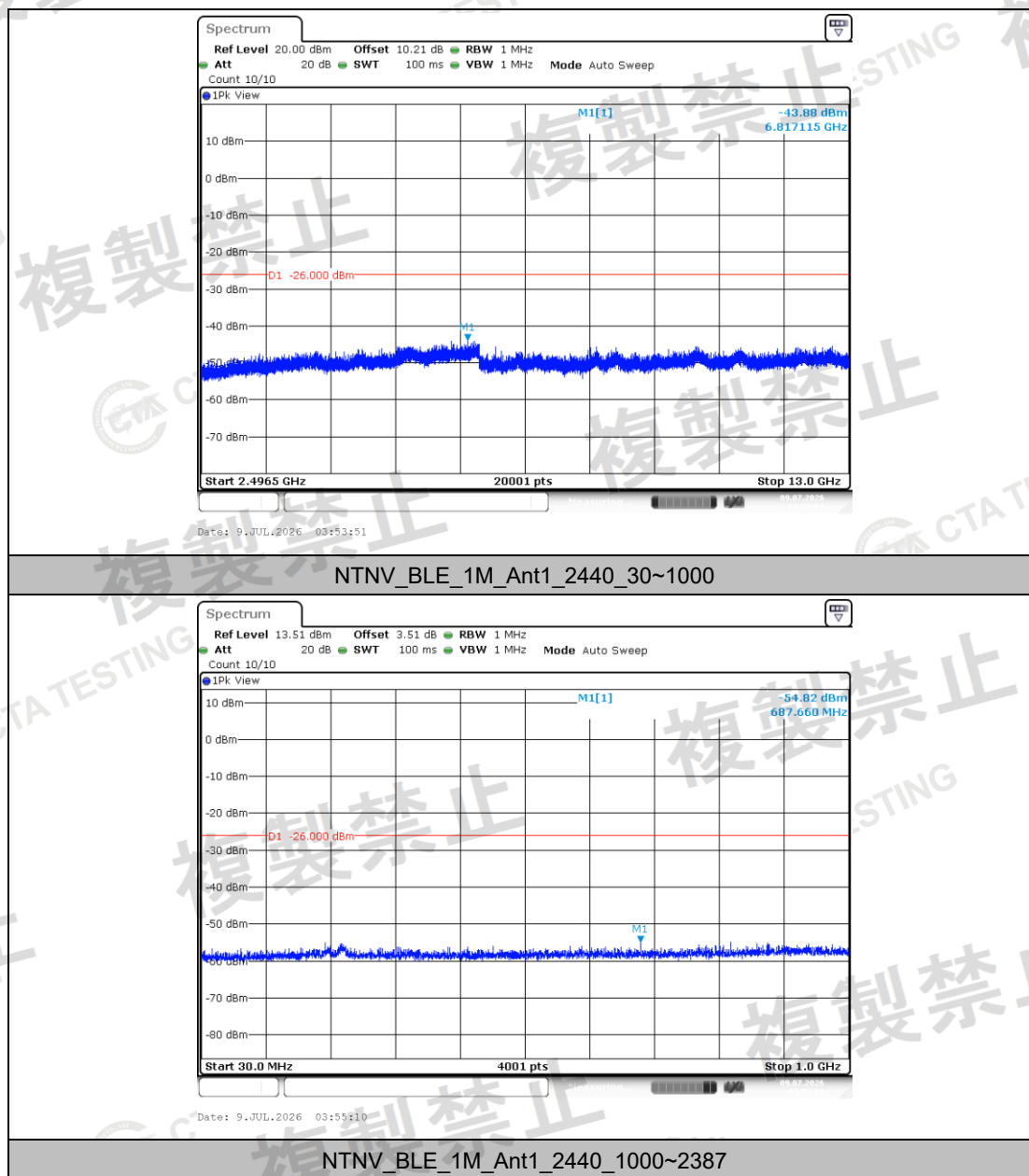
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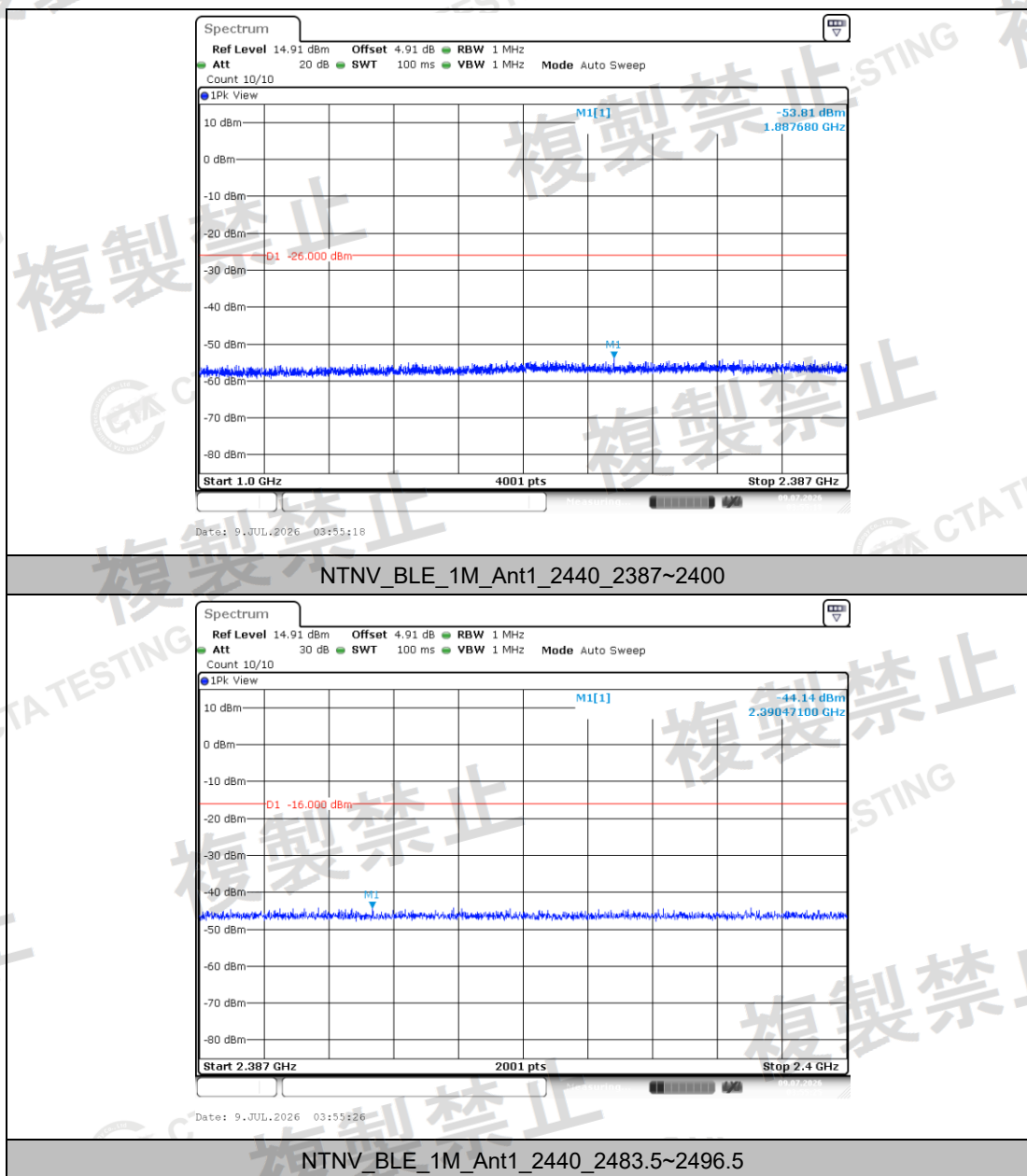
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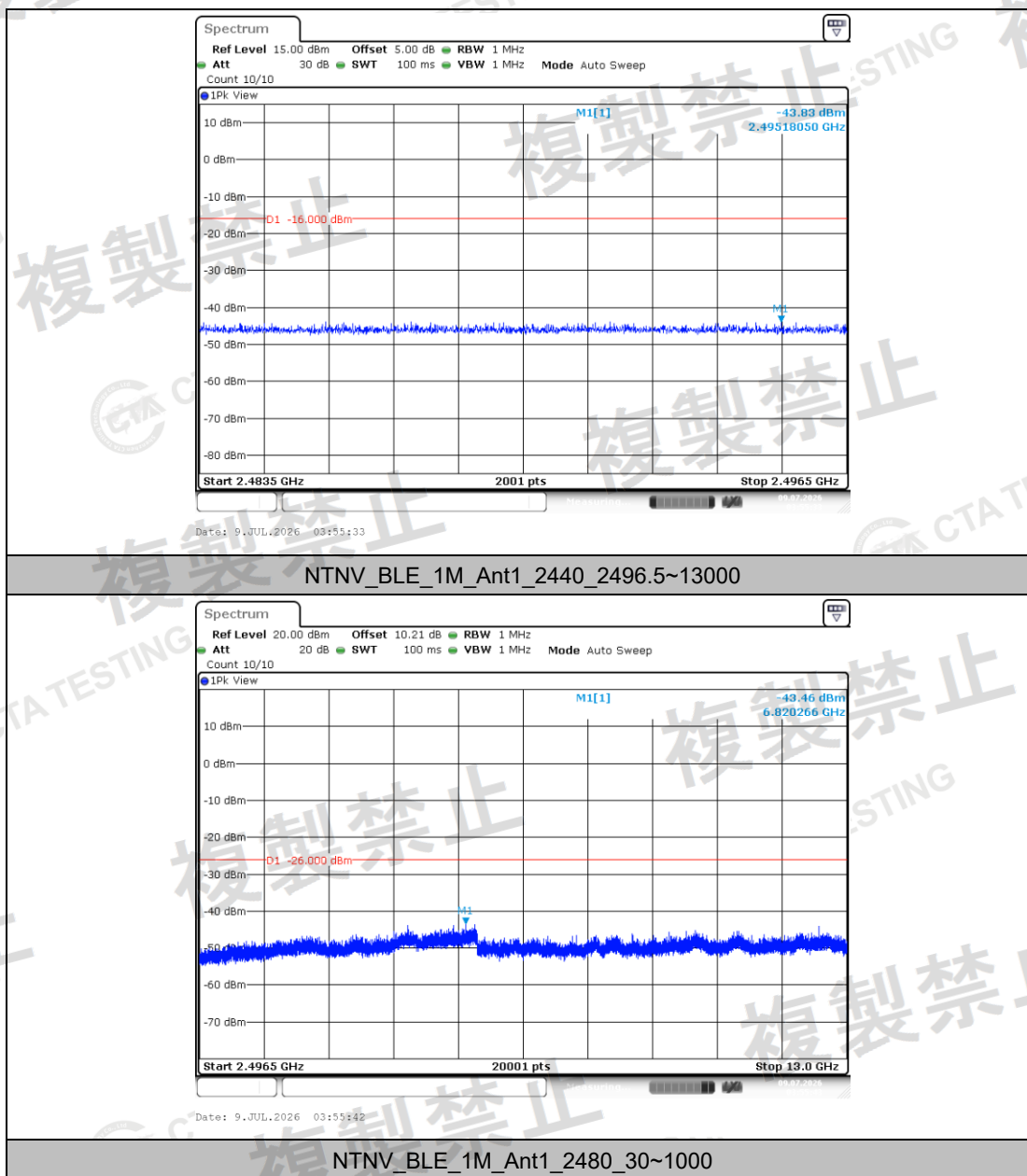
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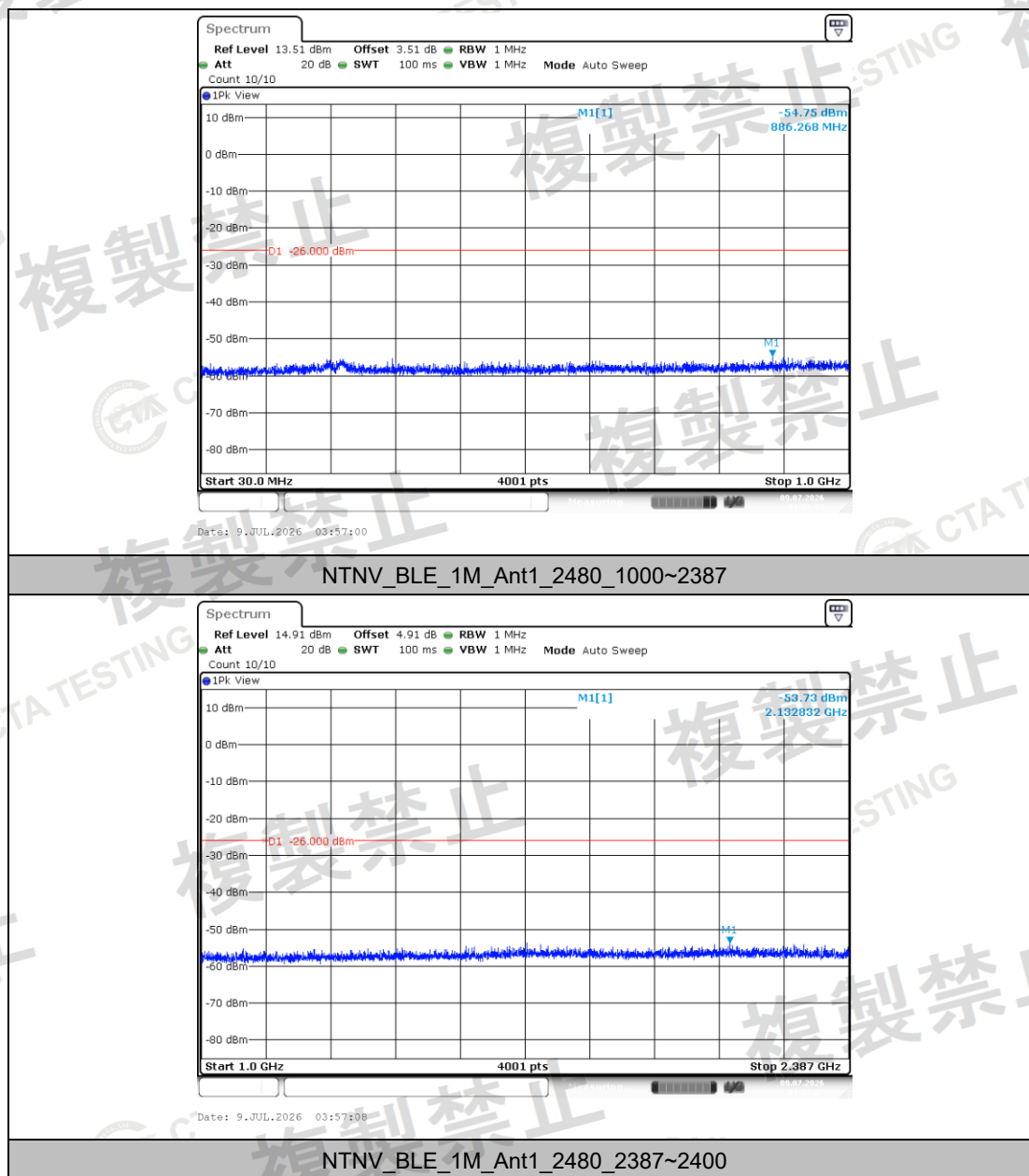
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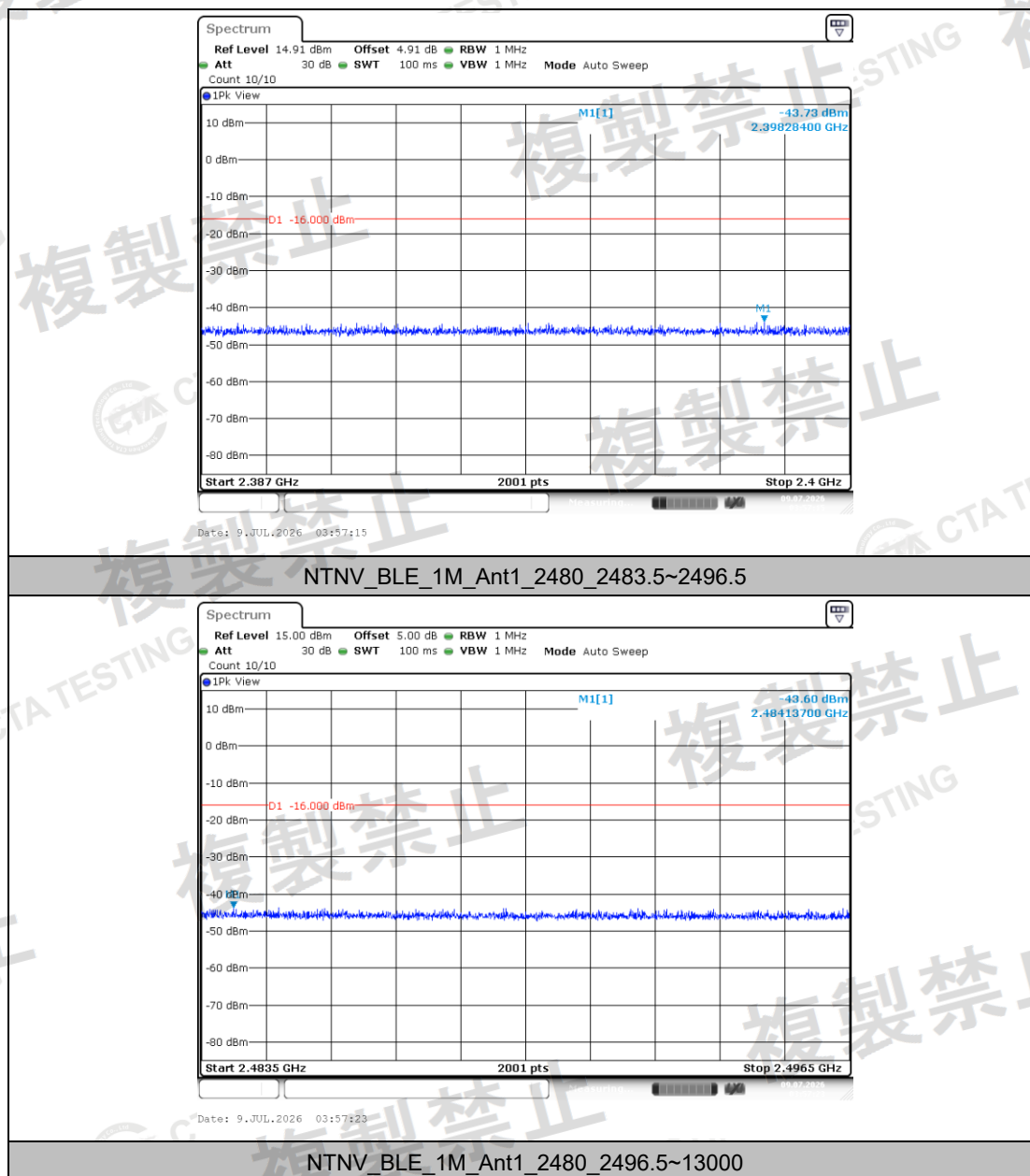
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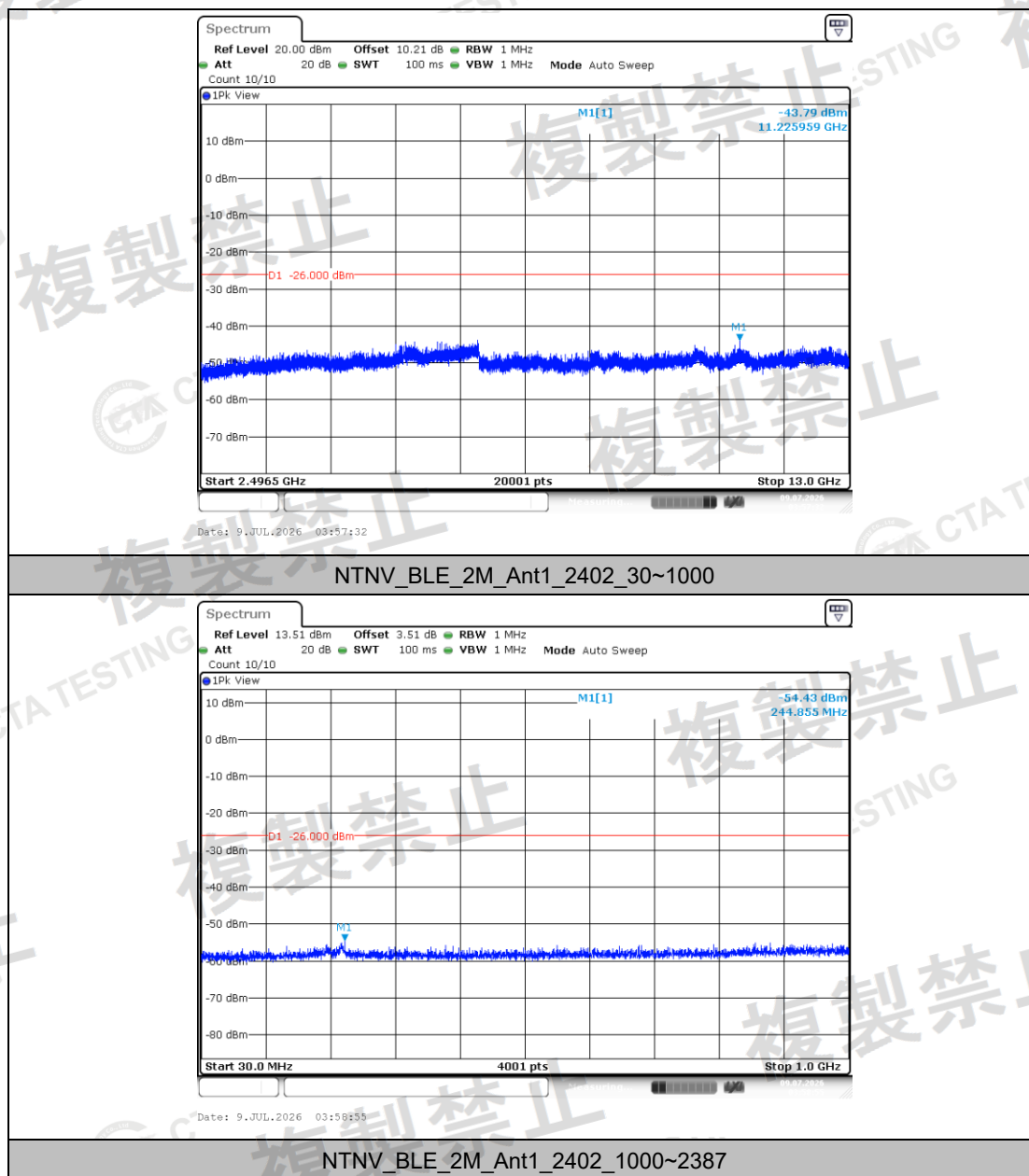
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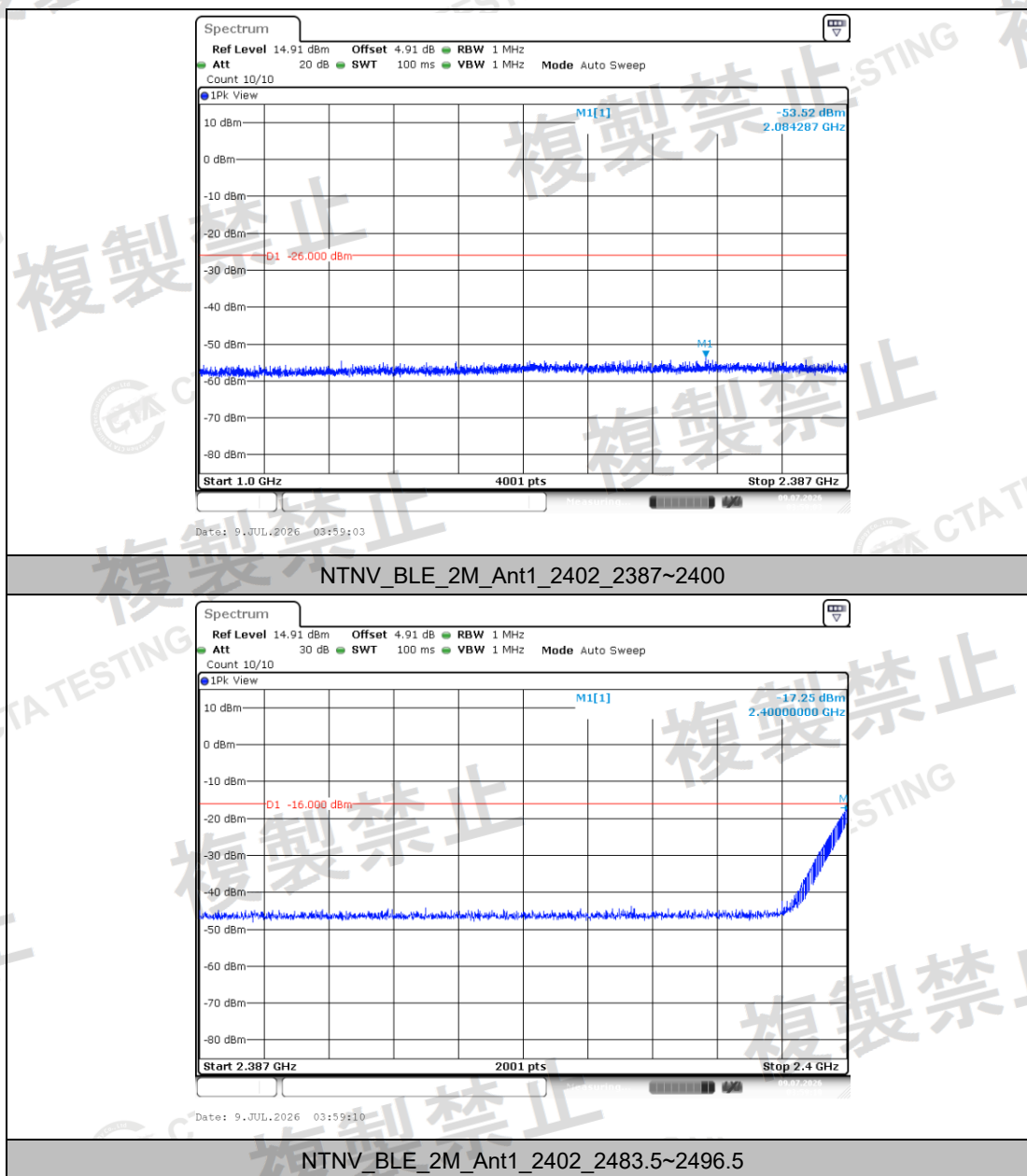
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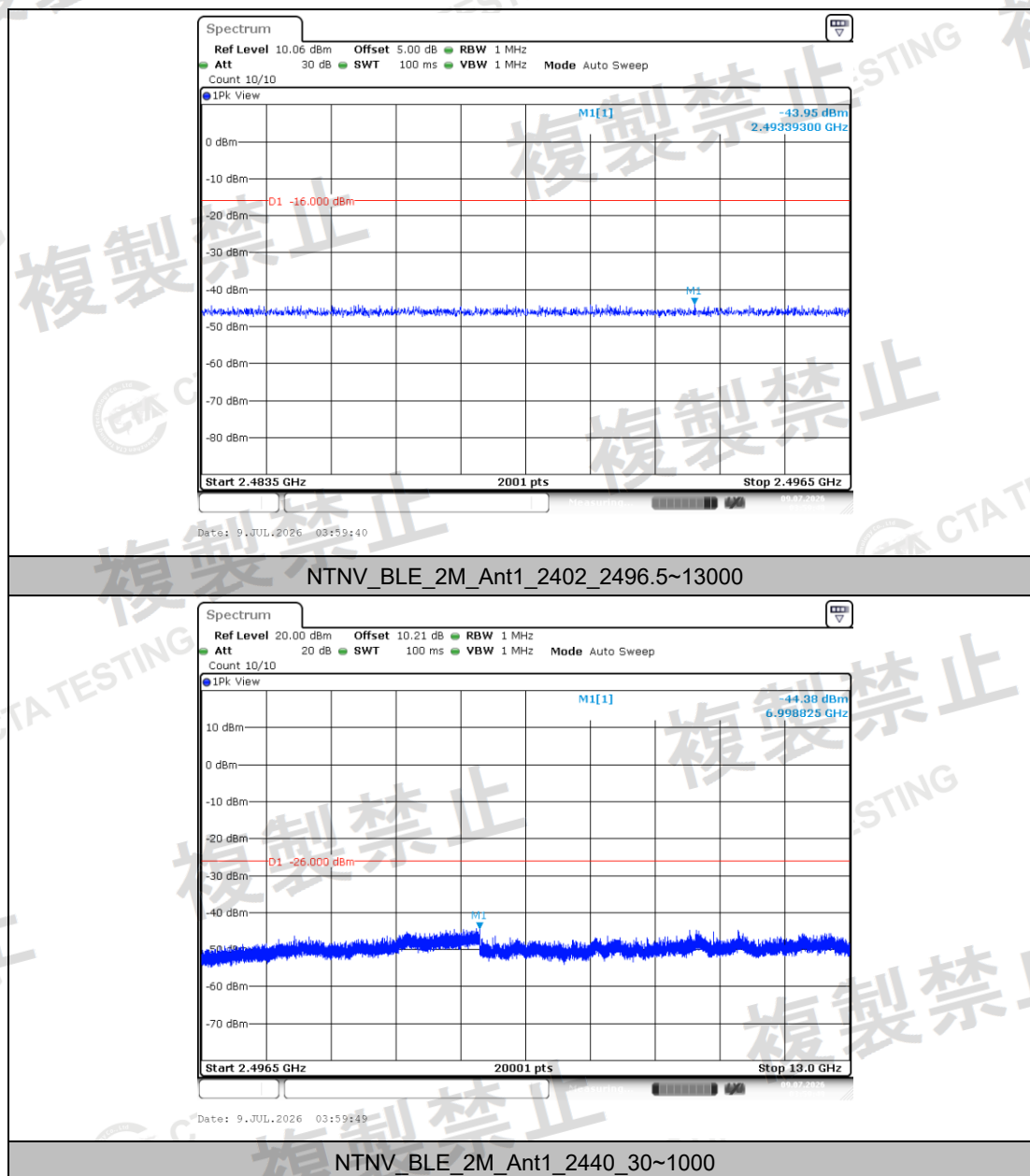
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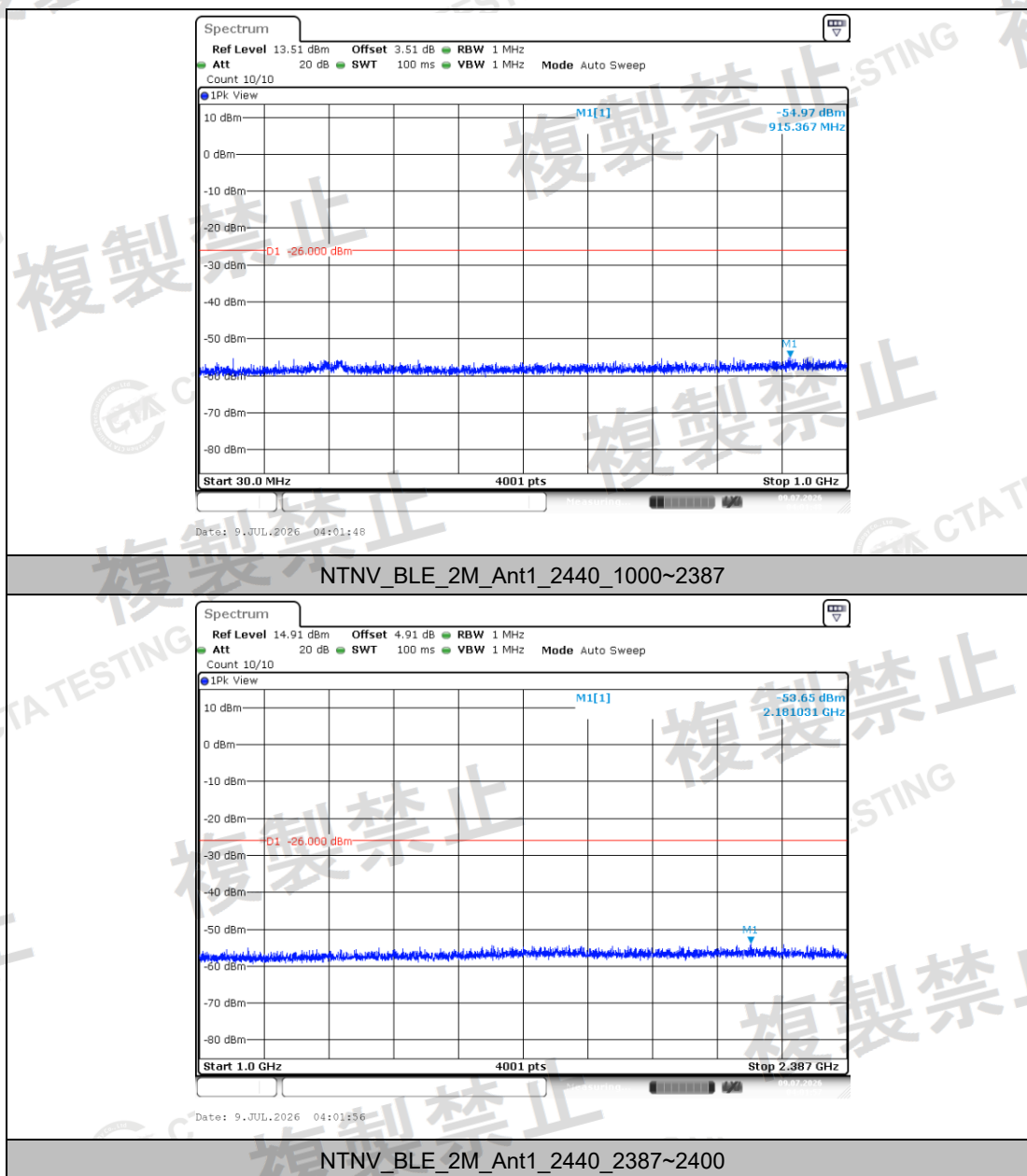
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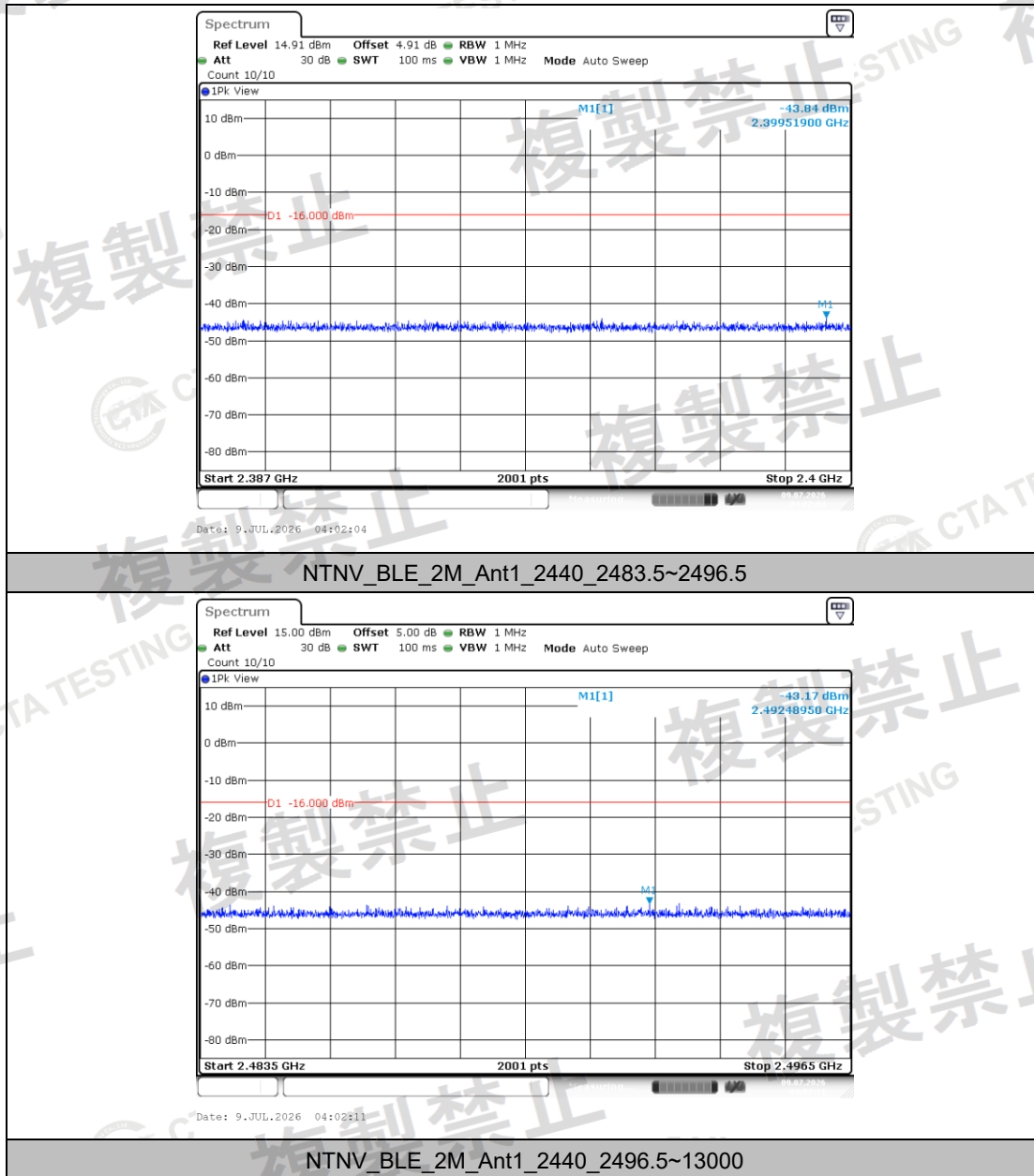
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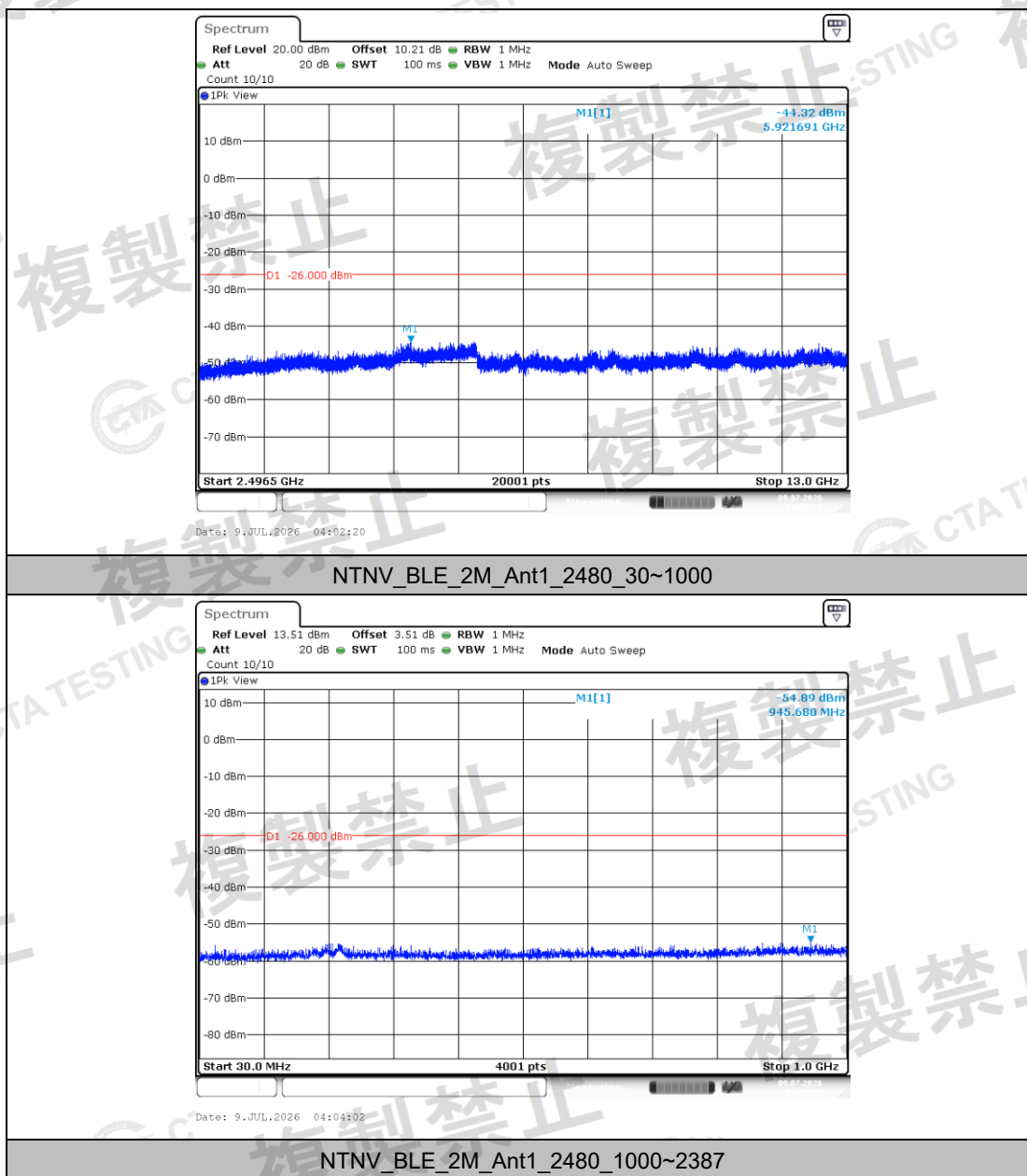
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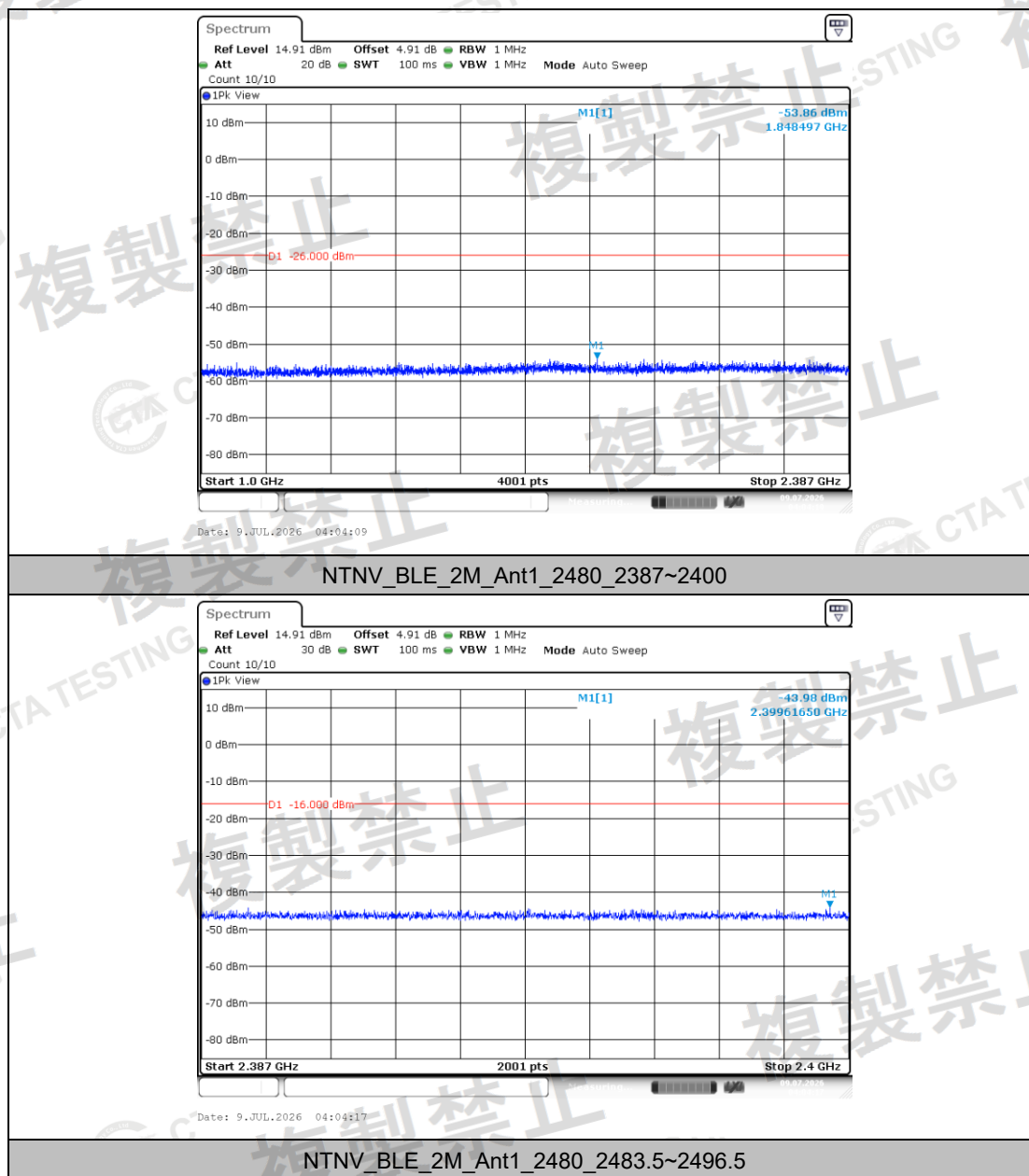
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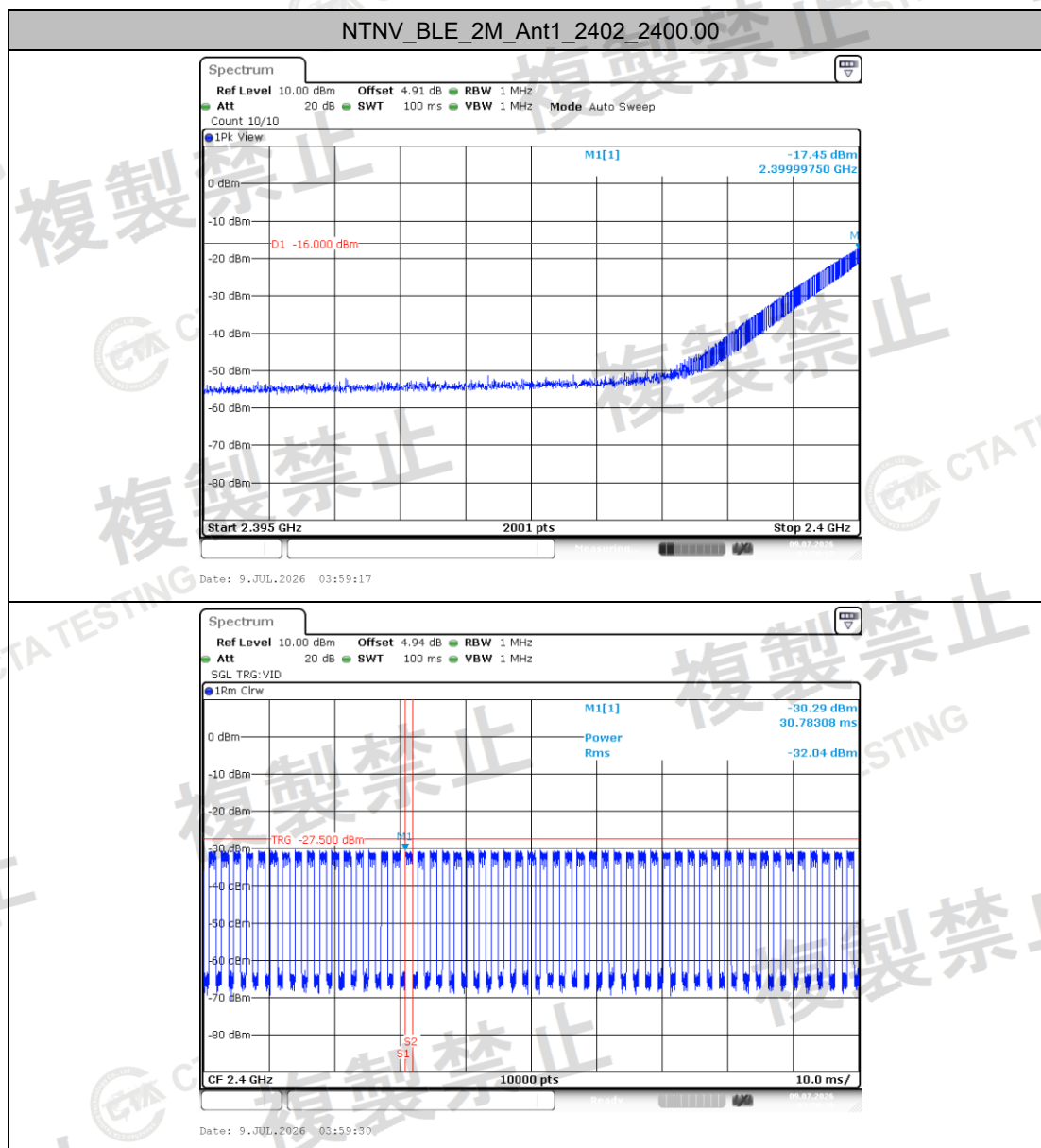




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Test Graphs_Step2





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Appendix E: Spurious Emission of RX

Test Result

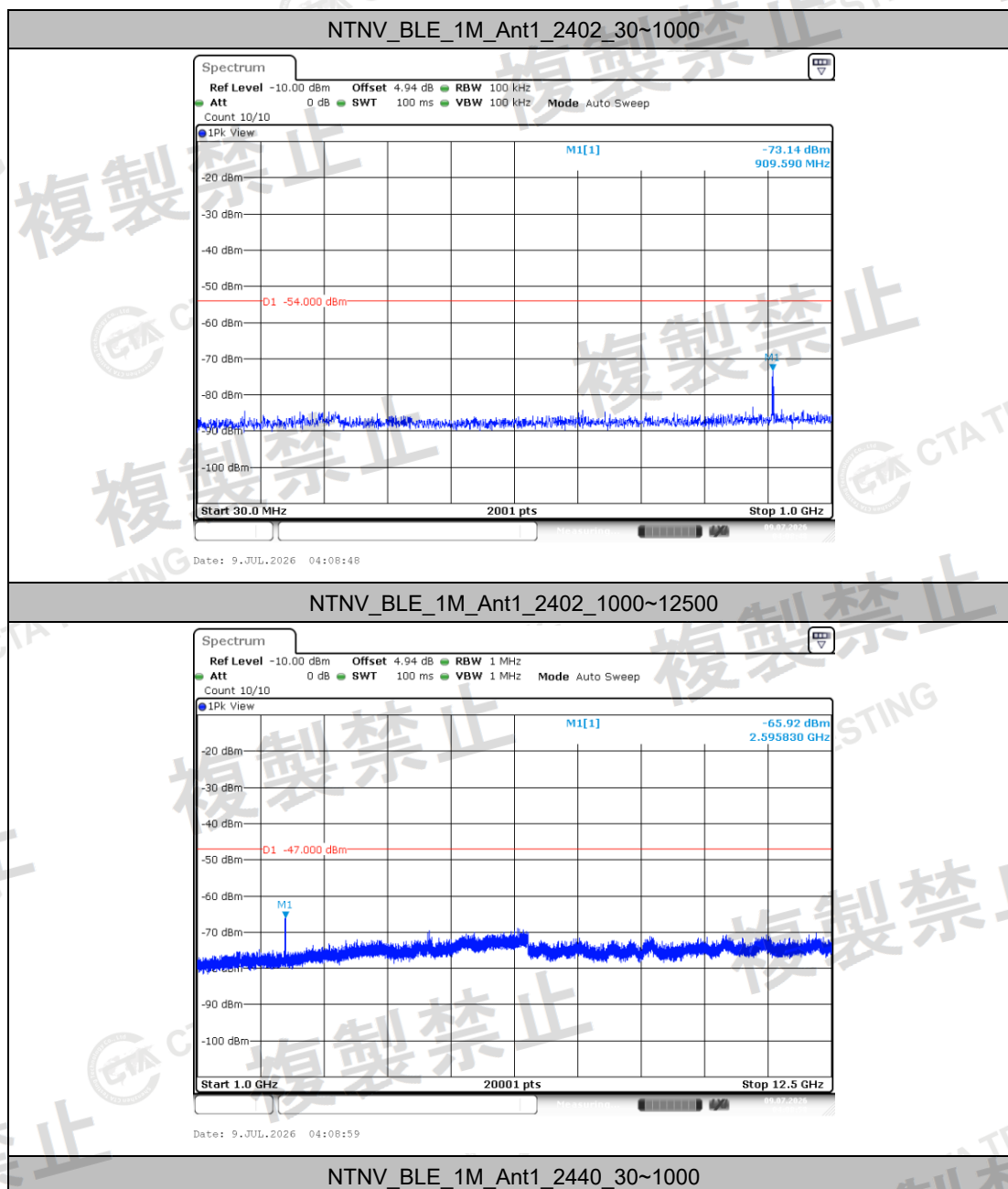
TestCondition	TestMode	Antenna	Freq(M Hz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	909.59	-73.14	≤-54	0.0485 3	≤4	PASS
				1000~12500	2595.8 3	-65.92	≤-47	0.2558 6	≤20	PASS
			2440	30~1000	817.97	-83.09	≤-54	0.0049 1	≤4	PASS
				1000~12500	5174.0 0	-67.13	≤-47	0.1936 4	≤20	PASS
			2480	30~1000	243.54	-83.20	≤-54	0.0047 9	≤4	PASS
				1000~12500	5172.8 5	-64.99	≤-47	0.3169 6	≤20	PASS
	BLE_2M	Ant1	2402	30~1000	608.56	-84.28	≤-54	0.0037 3	≤4	PASS
				1000~12500	6863.8 4	-69.68	≤-47	0.1076 5	≤20	PASS
			2440	30~1000	945.46	-83.18	≤-54	0.0048 1	≤4	PASS
				1000~12500	5943.8 9	-69.30	≤-47	0.11749	≤20	PASS
			2480	30~1000	938.19	-83.08	≤-54	0.0049 2	≤4	PASS
				1000~12500	5247.0 3	-66.82	≤-47	0.2079 7	≤20	PASS



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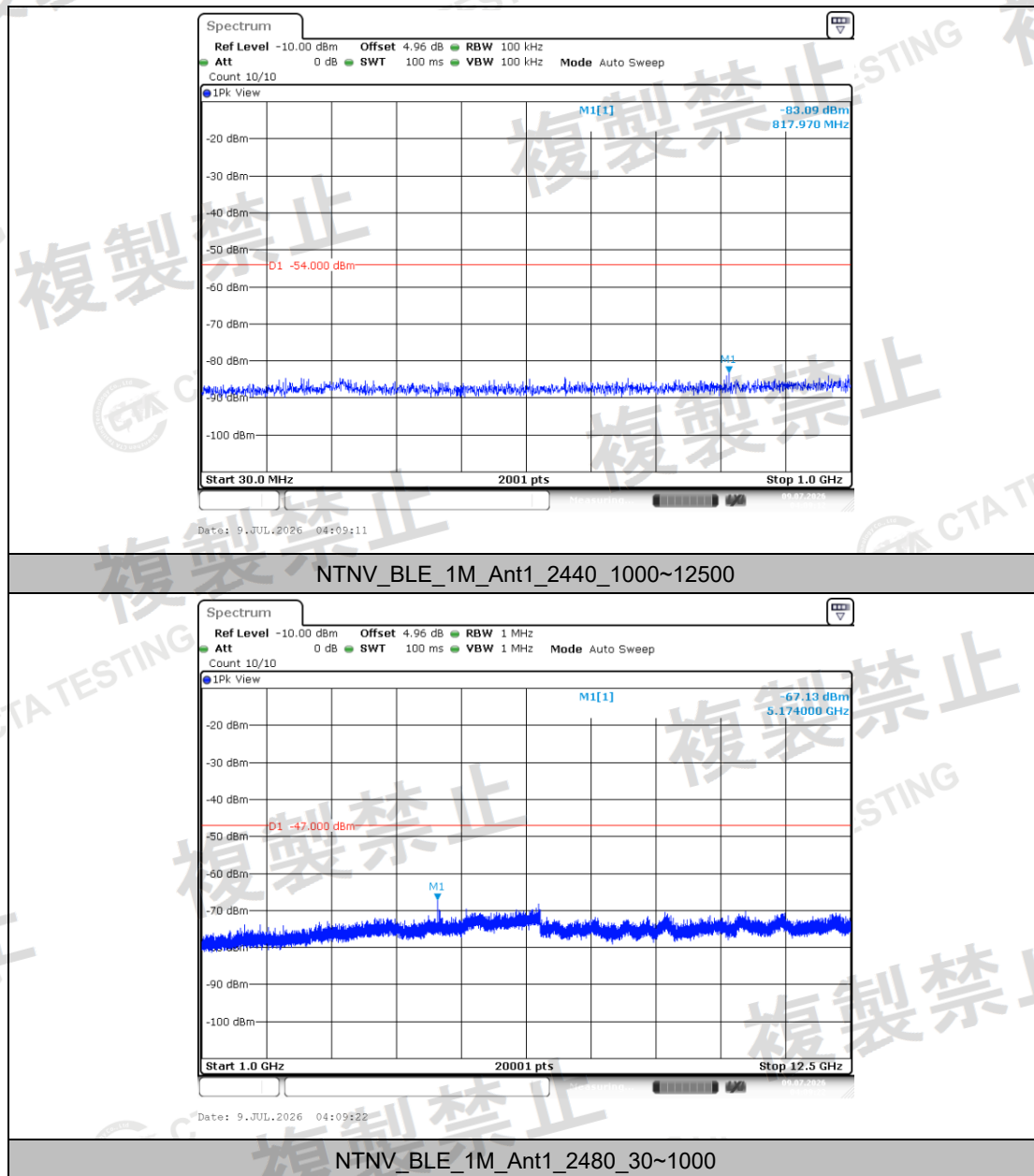
Test Graphs





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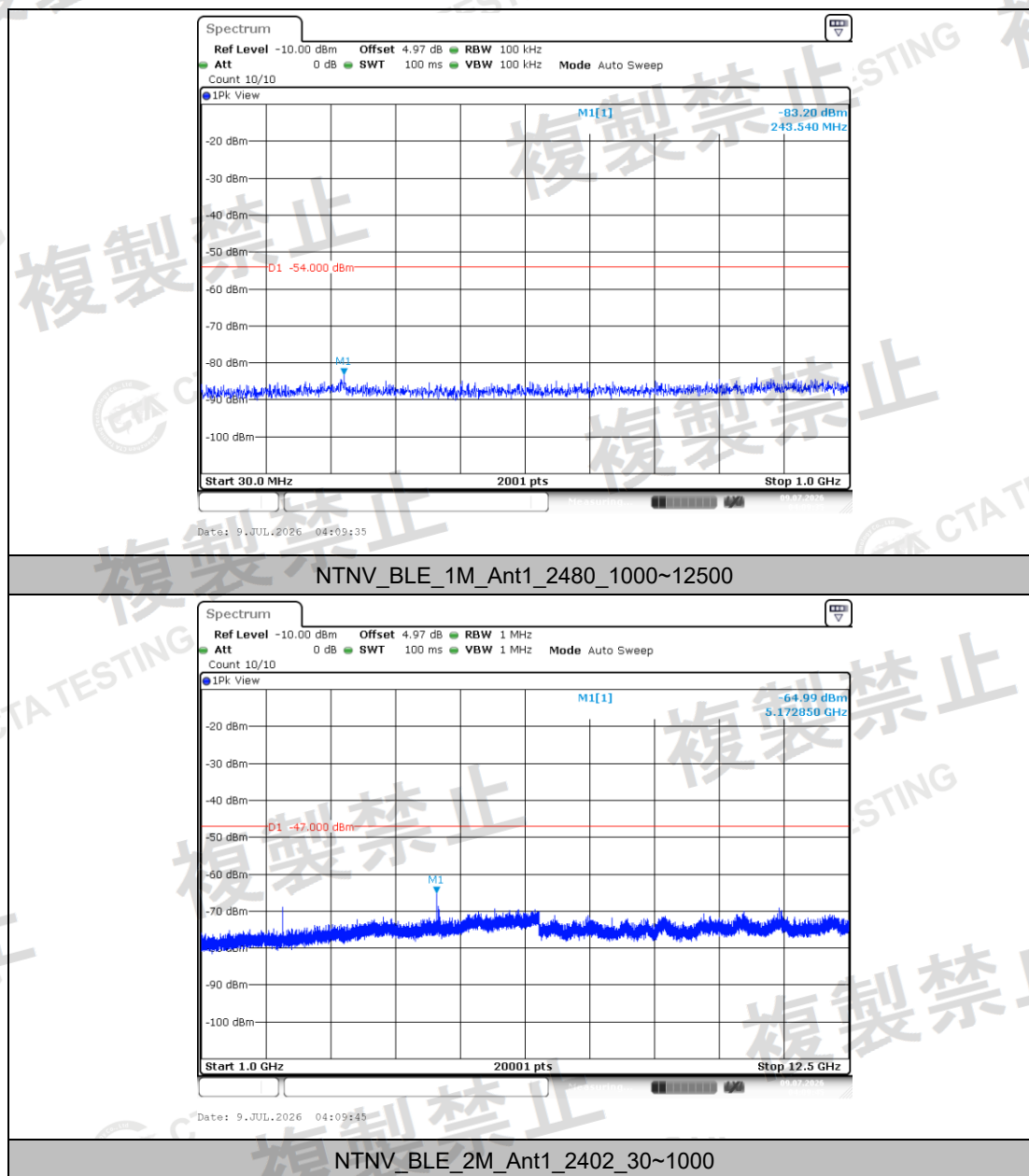
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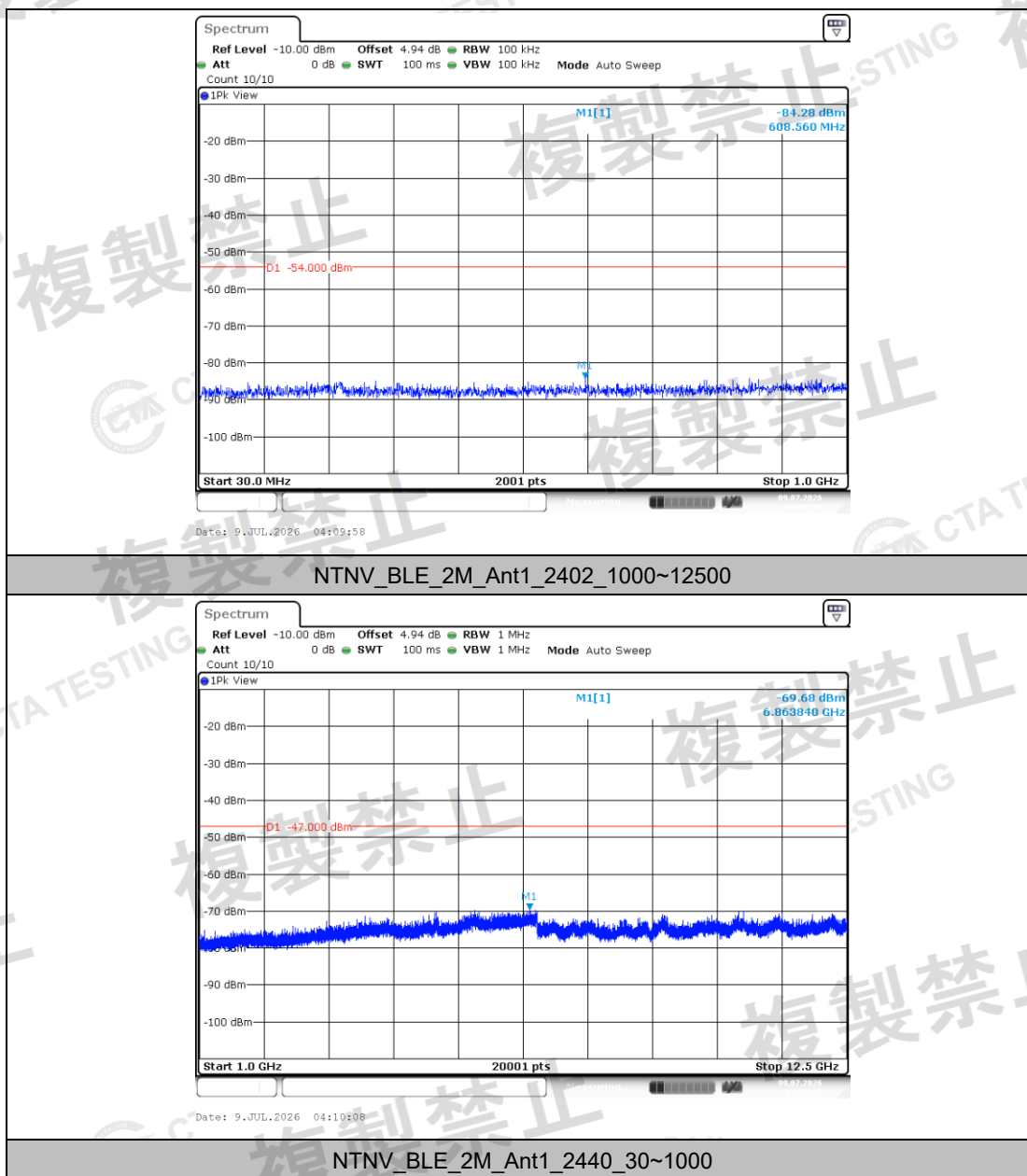
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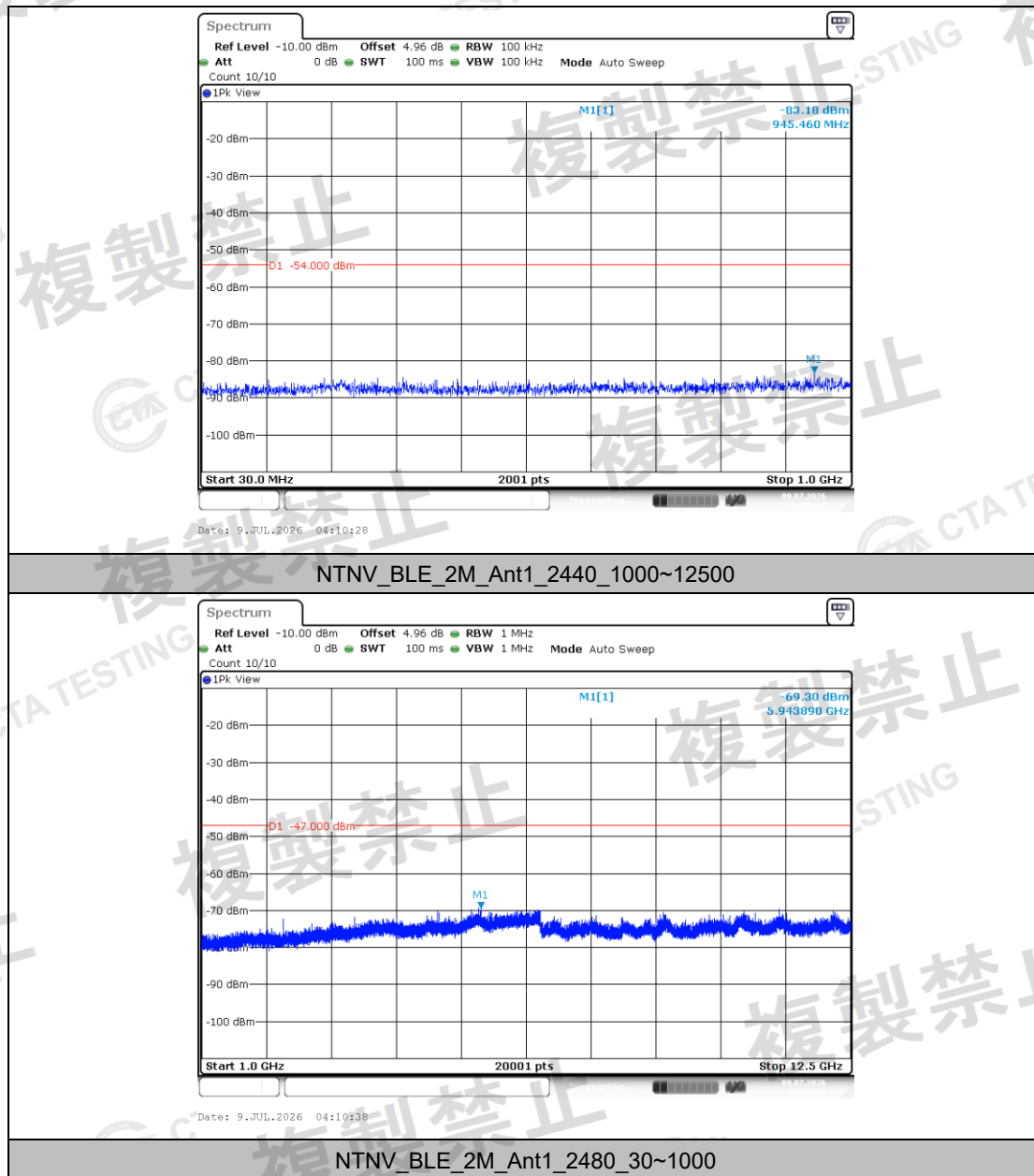
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